CorePro LEDtube EM/ Mains T8

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CorePro LEDtube 1500mm 20W 830 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.
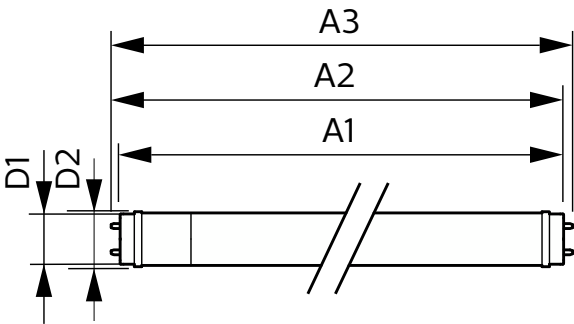
Product data

General Information		Beam Angle (Nom)	240 degree(s)
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Luminous Flux	2,050 lm
Nominal lifetime	50,000 hour(s)	Color Designation	White (WH)
Switching Cycle	200,000	Correlated Color Temperature (Nom)	3000 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	102 lm/W
Flux measurement reference	Sphere	Color Consistency	<6
EU RoHS compliant	Yes	Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Flickering value (PstLM)	1
Color Code	830 [CCT of 3000K]	Stroboscopic effect value (SVM)	0.9

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Photobiological safety according to EN 62471 RG0	

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Lamp Current (Nom)	105 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	58 W

Temperature

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

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass

Product Length	1,500 mm
Bulb Shape	T8

Approval and Application

Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	1384739

Product Data

Order product name	CorePro LEDtube 1500mm 20W 830 T8
Full product name	CorePro LEDtube 1500mm 20W 830 T8
Full product code	871951448642300
Order code	929003577332
Material Nr. (12NC)	929003577332
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514486423
Numerator – Packs per outer box	20
EAN/UPC – Case	8719514486430

Dimensional drawing

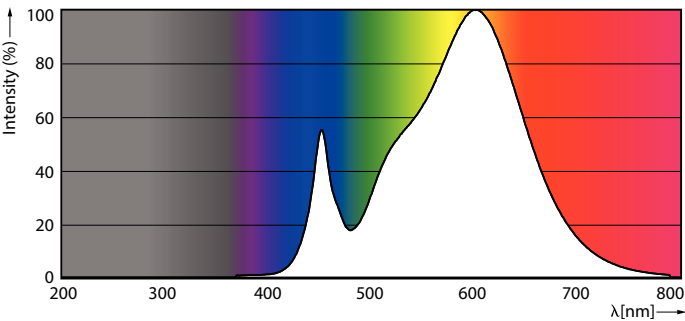| Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

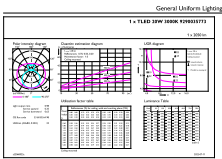# CorePro LEDtube EM/Mains T8

Photometric data

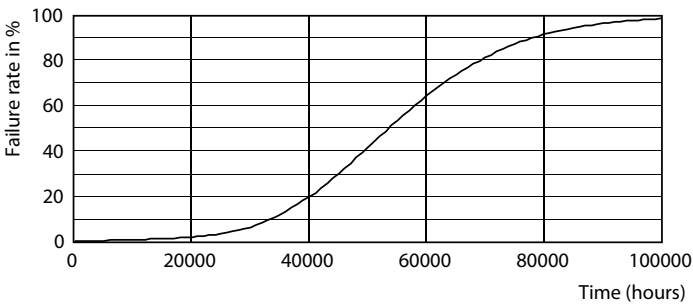**Light Distribution Diagram – CorePro LEDtube 1500mm 20W 830 T8**

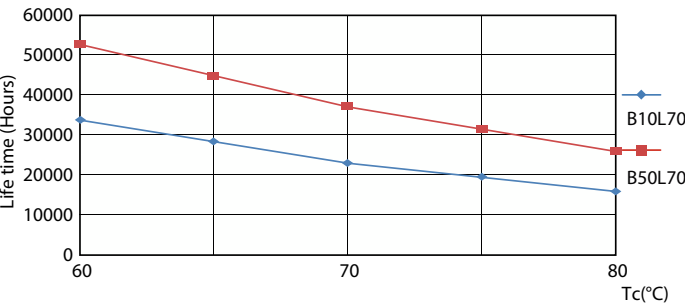
Spectral Power Distribution Colour

General uniform lighting – CorePro LEDtube 1500mm 20W 830 T8
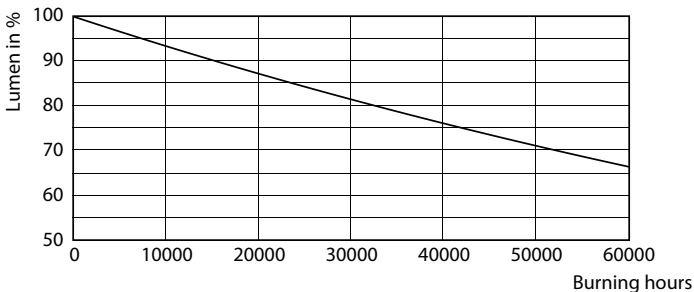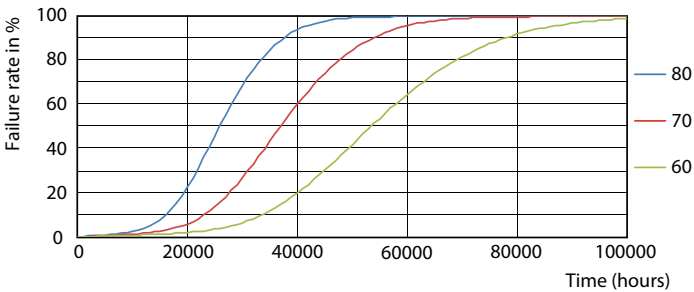
Lifetime

Life Expectancy Diagram – CorePro LEDtube 1500mm 20W 830 T8

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Lifetime

Life Expectancy Diagram – CorePro LEDtube 1500mm 20W 830 T8

Lumen Maintenance Diagram – CorePro LEDtube 1500mm 20W 830 T8