

CorePro LEDtube EM/ Mains



CorePro LEDtube 1500mm 20W 840 T8

The CorePro LEDtube is an affordable LED solution suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Warnings and Safety

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Product data

General Information	
Cap base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 h
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	240 degree(s)
Luminous Flux	2,200 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	110 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80

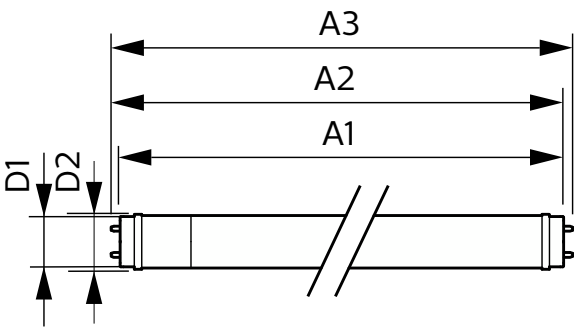
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	1
Stroboscopic effect	0.9
Photobiological safety according to EN 62471 RGO	
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	20 W
Lamp current (nom.)	105 mA
Starting time (nom.)	0.5 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
Ballast Compatibility	EM/Mains

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Temperature	
Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Glass
Product length	1,500 mm
Bulb shape	T8
Approval and Application	
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

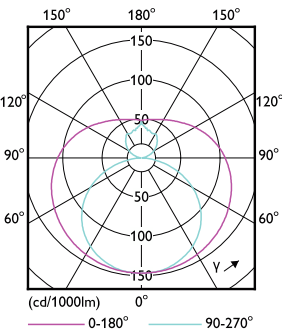
Energy consumption kWh/1,000 hours	20 kWh
EPREL registration number	1384726
Product Data	
Order product name	CorePro LEDtube 1500mm 20W 840 T8
Full product name	CorePro LEDtube 1500mm 20W 840 T8
Full EOC	871951445981600
Order code	45981600
Material no. (12 NC)	929003547402
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514459816
Numerator – packs per outer box	20
EAN/UPC – Case	8719514459823

Dimensional drawing

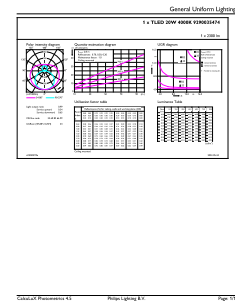


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data

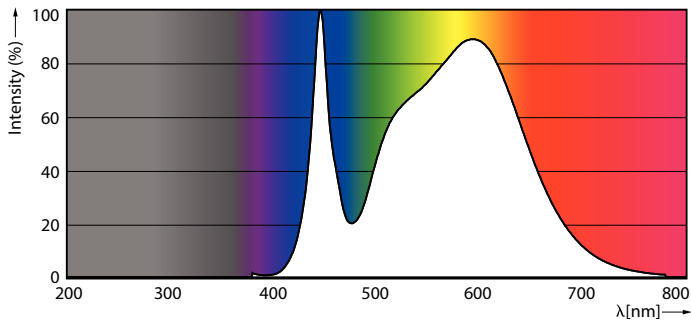


Light Distribution Diagram - CorePro LEDtube 1500mm 20W 840 T8



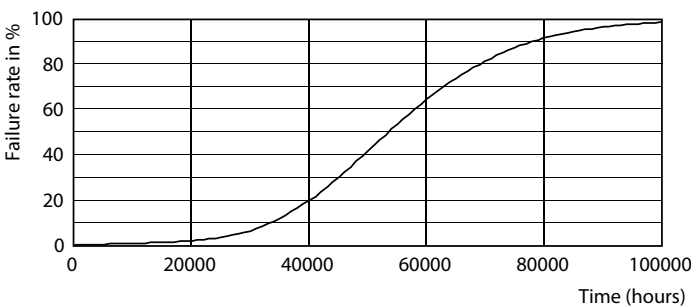
General uniform lighting - CorePro LEDtube 1500mm 20W 840 T8

Photometric data

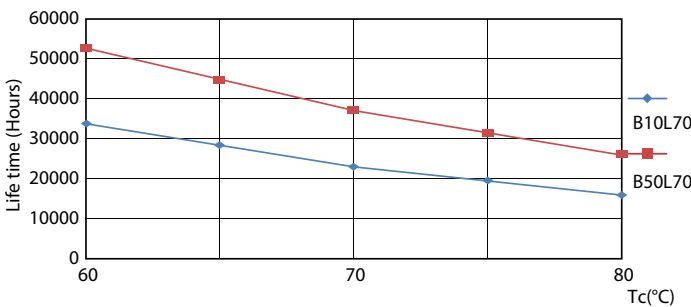


Spectral Power Distribution Colour - CorePro LEDtube 1500mm 20W 840 T8

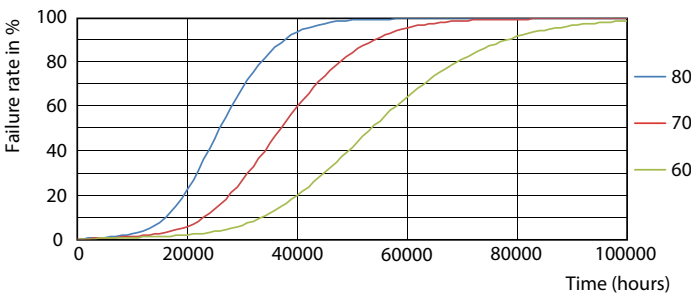
Lifetime



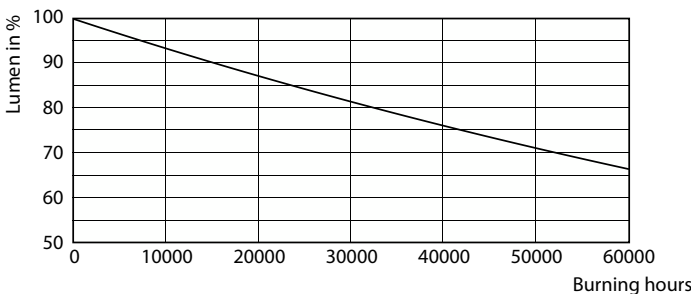
Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 840 T8



Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 840 T8



Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 840 T8



Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 840 T8

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