PHILIPS

Lighting



CorePro LEDtube EM/ Mains



CorePro LEDtube 1500mm 20W 830 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
EU RoHS compliant	Yes

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	240 degree(s)
Luminous Flux	2,050 lm
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	102 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	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

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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

Approval and Application

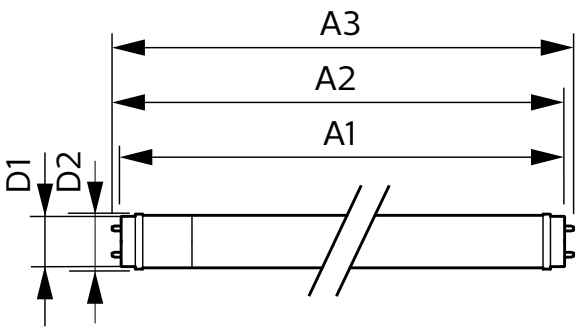
Energy Efficiency Class	F
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	20 kWh
EPREL registration number	1384739

Product Data

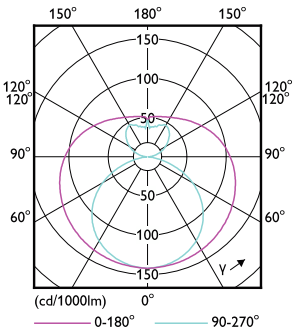
Full EOC	871951448642300
Order product name	CorePro LEDtube 1500mm 20W 830 T8
Order code	48642300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	20
Material no. (12 NC)	929003577332
Full product name	CorePro LEDtube 1500mm 20W 830 T8
EAN/UPC - Case	8719514486430
EAN/UPC — Product/Case	8719514486423

Dimensional drawing

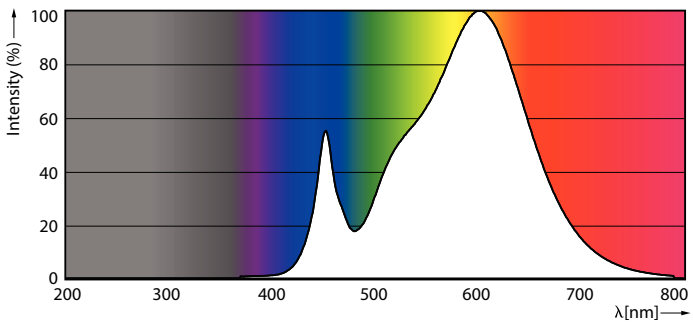


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



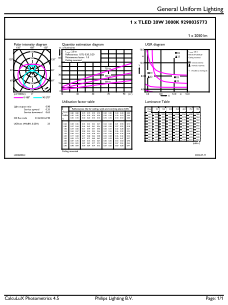
Light Distribution Diagram - CorePro LEDtube 1500mm 20W 830 T8



Spectral Power Distribution Colour

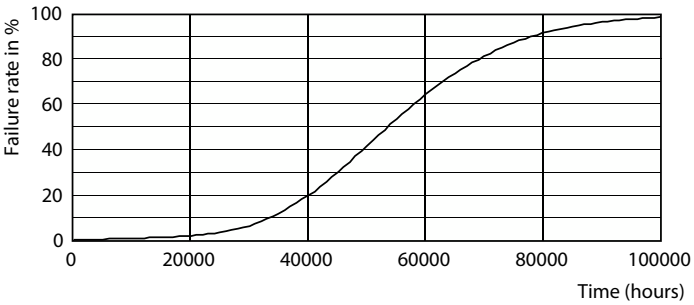
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Photometric data

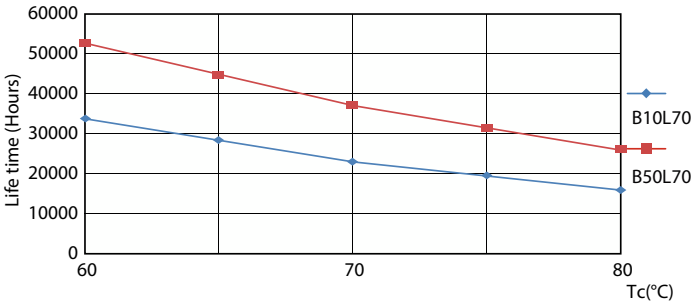


General uniform lighting - CorePro LEDtube 1500mm 20W 830 T8

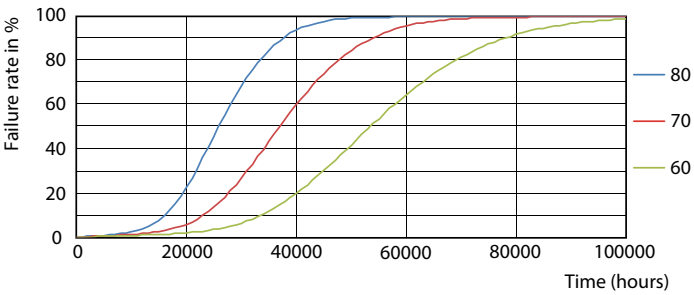
Lifetime



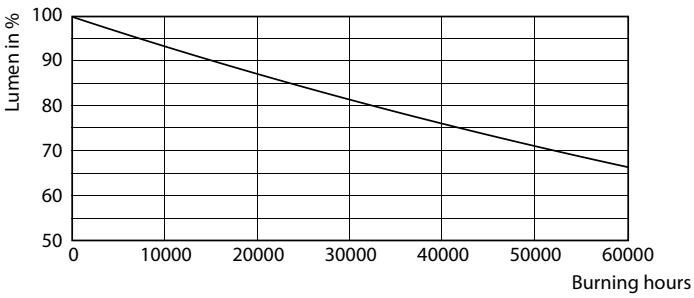
Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 830 T8



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



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



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

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2023, April 15 - data subject to change