CorePro LEDtube EM/ Mains

CorePro LEDtube 1500mm 20W 840

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	30,000 h
Switching Cycle	200,000
Lighting Technology	LED
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.)	110.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	2
Stroboscopic effect	2
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
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.)	45 °C

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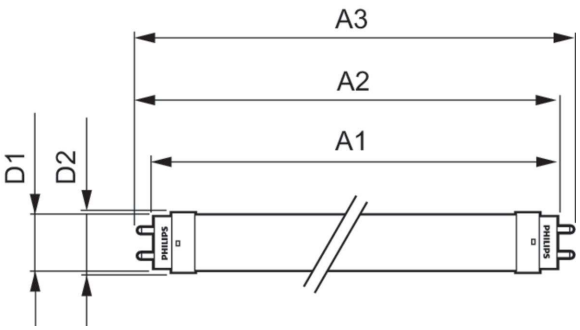
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb material	Glass
Product length	1,500 mm

Approval and Application	
Energy-saving product	Yes
Approval marks	CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	20 kWh

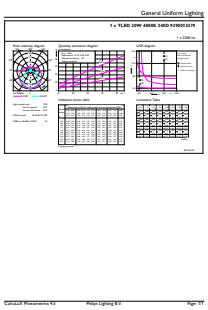
Product Data	
Order product name	CorePro LEDtube 1500mm 20W 840
Full product name	CorePro LEDtube 1500mm 20W 840
Full EOC	871869671091300
Order code	71091300
Material no. (12 NC)	929001337902
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696710913
Numerator – packs per outer box	10
EAN/UPC - Case	8718696710920

Dimensional drawing

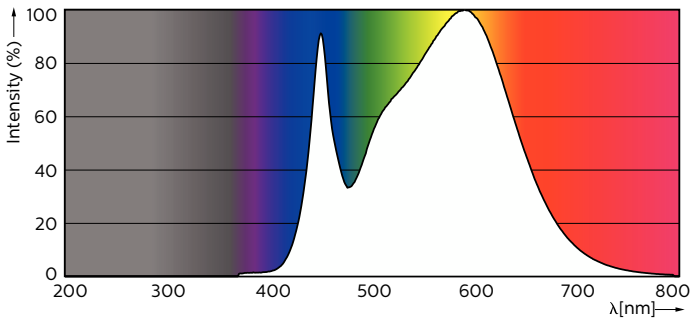


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 840	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



General uniform lighting - CorePro LEDtube 1500mm 20W 840



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

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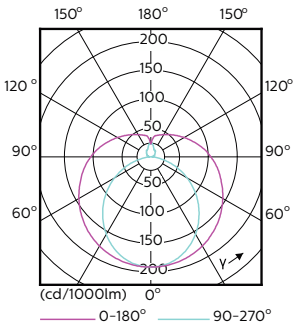
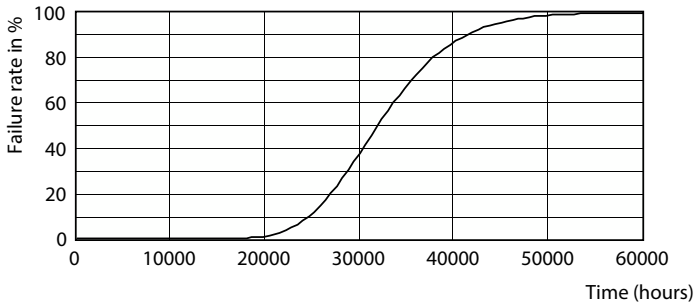
Photometric data

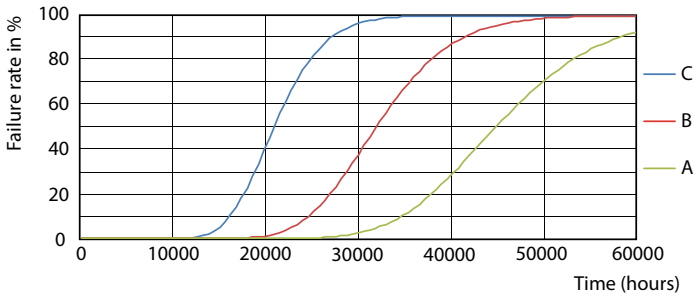


Light Distribution Diagram - CorePro LEDtube 1500mm 20W 840

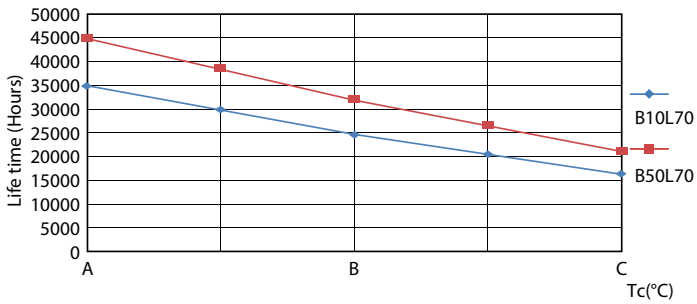
Lifetime



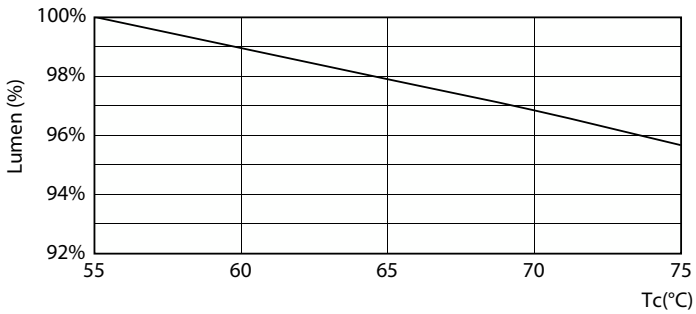
Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 840



Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 840



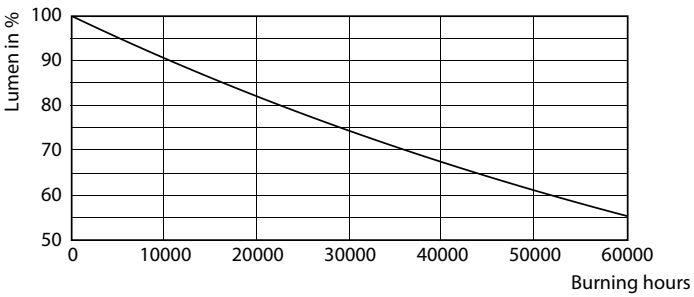
Life Expectancy Diagram - CorePro LEDtube 1500mm 20W 840



Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 840

CorePro LEDtube EM/Mains

Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 840

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