PHILIPS

Lighting



CorePro LEDtube EM/ Mains



CorePro LEDtube 600mm 8W 865 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	865 [CCT of 6500K]
Beam angle (nom.)	240 degree(s)
Luminous Flux	800 lm
Colour designation	Cool Daylight
Correlated Colour Temperature	6500 K
Luminous efficacy (rated) (nom.)	100 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	8 W
Lamp current (nom.)	46 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	18 W
Ballast Compatibility	EM/Mains

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Temperature	
Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	50 °C

Controls and Dimming	
Dimmable	No

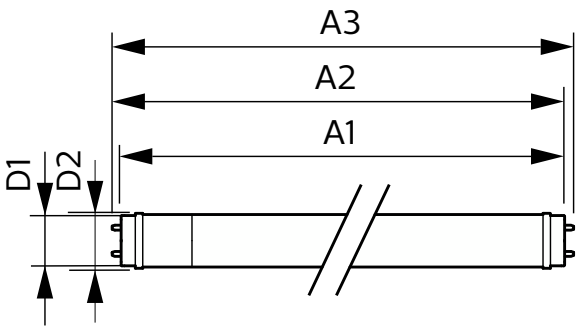
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Glass
Product length	600 mm
Bulb shape	T8

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

Energy consumption kWh/1,000 hours	8 kWh
EPREL registration number	1384727

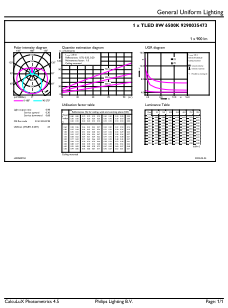
Product Data	
Order product name	CorePro LEDtube 600mm 8W 865 T8
Full product name	CorePro LEDtube 600mm 8W 865 T8
Full EOC	871951445979300
Order code	45979300
Material no. (12 NC)	929003547302
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514459793
Numerator – packs per outer box	20
EAN/UPC - Case	8719514459809

Dimensional drawing

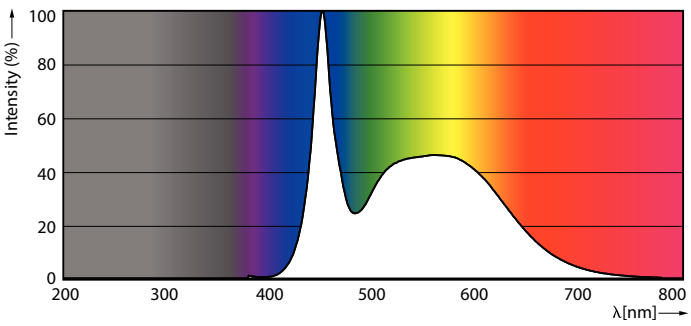


Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm 8W 865 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

Photometric data



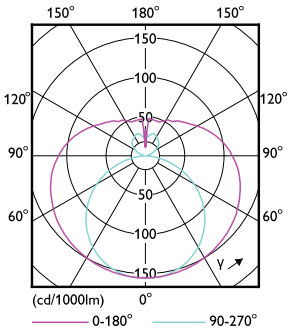
General uniform lighting - CorePro LEDtube 600mm 8W 865 T8



Spectral Power Distribution Colour - CorePro LEDtube 600mm 8W 865 T8

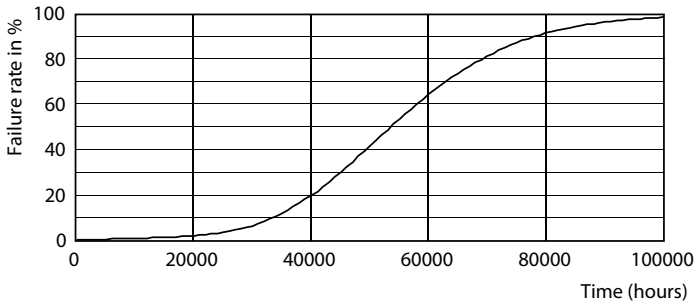
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Photometric data

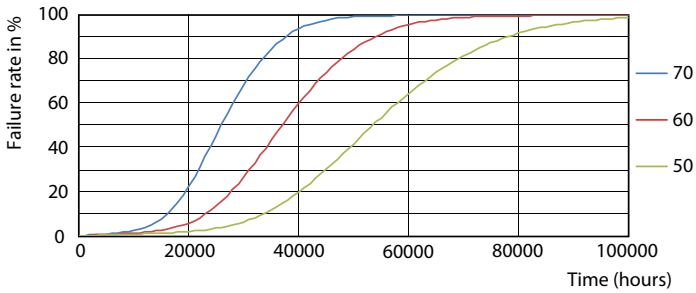


Light Distribution Diagram - CorePro LEDtube 600mm 8W 865 T8

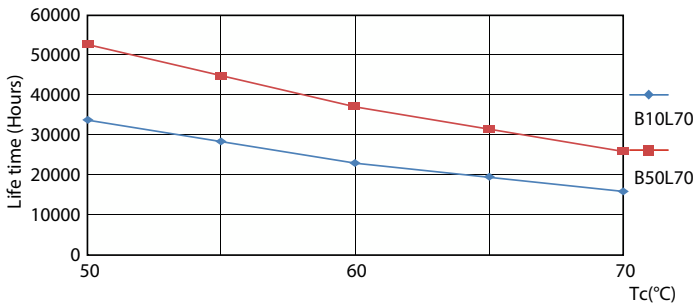
Lifetime



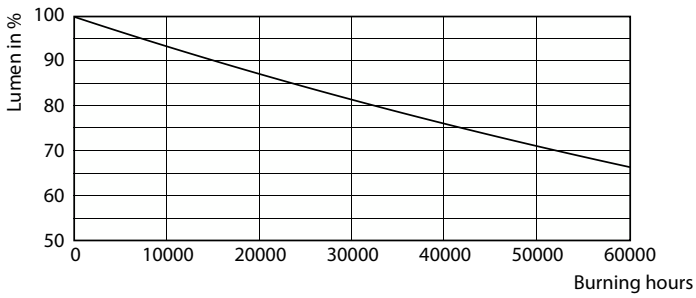
Life Expectancy Diagram - CorePro LEDtube 600mm 8W 865 T8



Life Expectancy Diagram - CorePro LEDtube 600mm 8W 865 T8



Life Expectancy Diagram - CorePro LEDtube 600mm 8W 865 T8



Lumen Maintenance Diagram - CorePro LEDtube 600mm 8W 865 T8

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2023, April 15 - data subject to change