



Essential LED tubes T8 Mains

CorePro LEDtube 1200mm 16W 865 VWV T8

The Essential LEDtube is an affordable LED solution suitable for an easy replacement of T8 fluorescent lamps. Thanks to a unique design, Philips Essential LED tube T8 Mains can be directly installed in luminaires operating on mains power connection. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Product data

General information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	30000 h
Switching Cycle	200000X
Light technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	240 °
Luminous Flux (Nom)	1600 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	100.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	16 W
Lamp Current (Max)	162 mA
Lamp Current (Min)	60 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	100-277 V
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	55 °C
Controls and dimming	
Dimmable	No

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Mechanical and housing

Product Length	1200 mm
Bulb Shape	Tube, single-ended

Approval and application

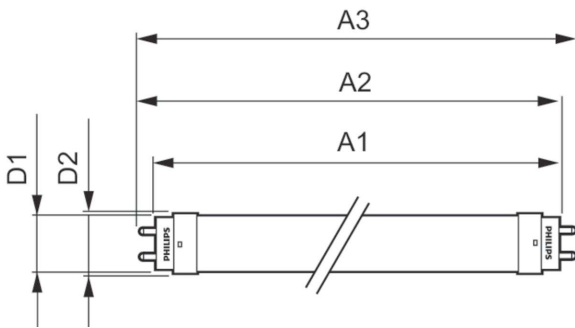
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate KEMA Keur certificate
Energy Consumption kWh/1000 h	- kWh

Product data

Full product code	871869959940900
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Order product name	CorePro LEDtube 1200mm 16W 865 VWV T8
EAN/UPC - Product	8718699599409
Order code	929001947611
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001947611
Net Weight (Piece)	0.180 kg

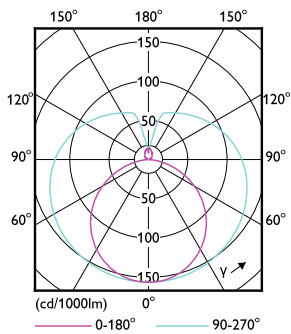
Dimensional drawing



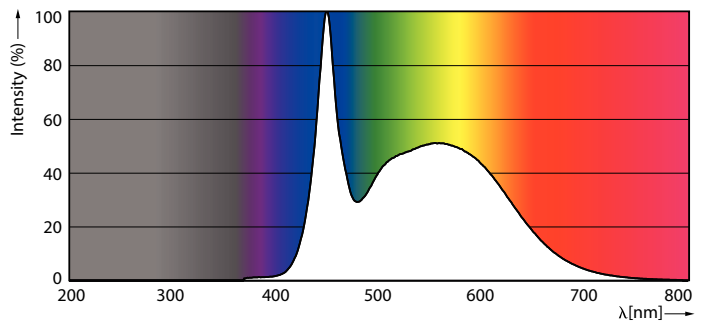
CorePro LEDtube 1200mm 16W 865 VWV T8

Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W 865 VWV T8	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data



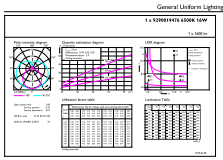
LEDtube COR 16W G13 1600lm



LEDtube COR 16W G13 1600lm 865

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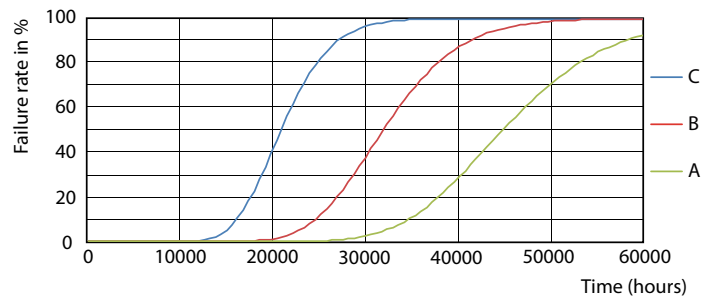
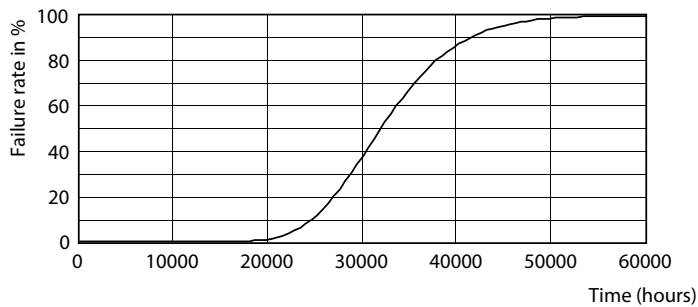
Photometric data



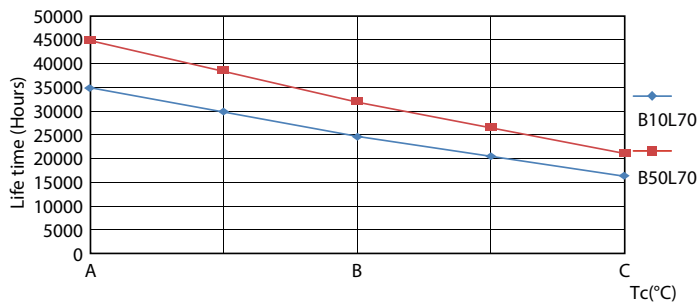
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LEDtube COR 16W G13 1600lm 865

Lifetime

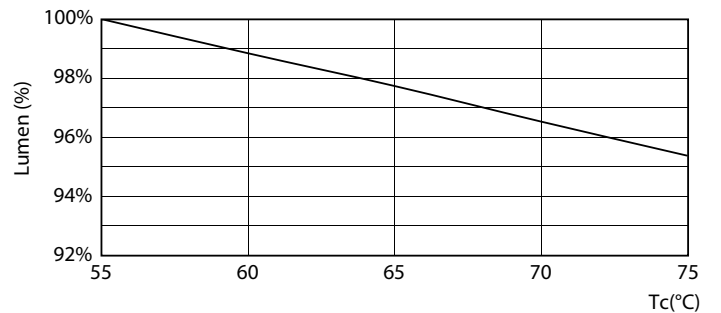


Life Expectancy Diagram



LEDtube 30K LifetimeVsTc

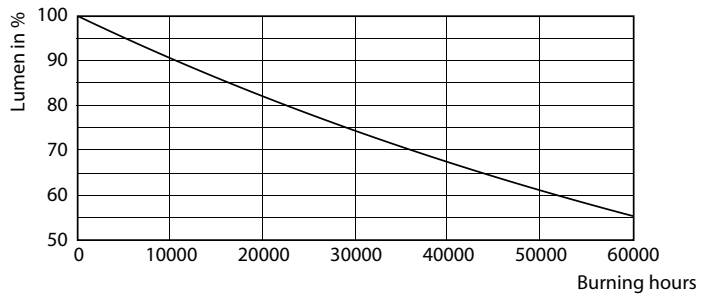
LEDtube 30K FailureRate



LEDtube COR 8W 30K LumenVsTc

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Lifetime



Lumen Maintenance Diagram

