



Essential LED tubes T8 Mains

CorePro LEDtube 600mm 8W 840 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	840 [CCT of 4000K]
Beam Angle (Nom)	240 °
Luminous Flux (Nom)	800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 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)	8 W
Lamp Current (Max)	81 mA
Lamp Current (Min)	33 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	600 mm
Bulb Shape	Tube, single-ended

Approval and Application

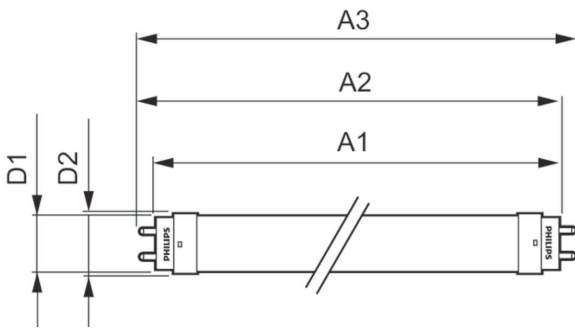
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate KEMA Keur certificate
Energy Consumption kWh/1000 h	- kWh

Product Data

Full product code	871869959934800
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Order product name	CorePro LEDtube 600mm 8W 840 VVW T8
EAN/UPC - Product	8718699599348
Order code	929001947311
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001947311
Net Weight (Piece)	0.120 kg

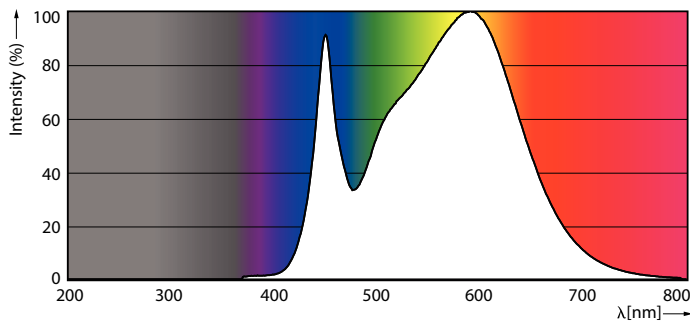
Dimensional drawing



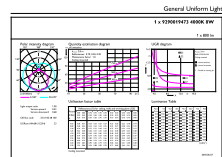
TLED 600mm 8-16W 800lm 4000K G13

Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm 8W 840 VVW T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

Photometric data



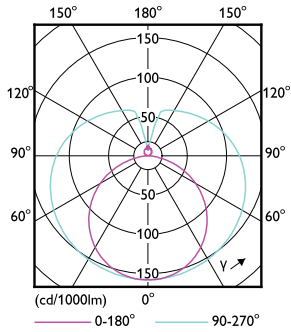
LEDtube COR 8W G13 800lm 840



LEDtube COR 8W G13 800lm 840

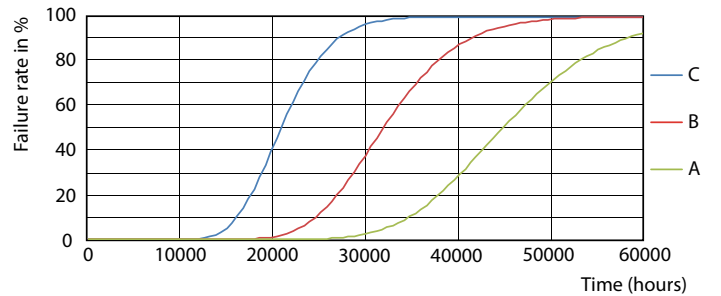
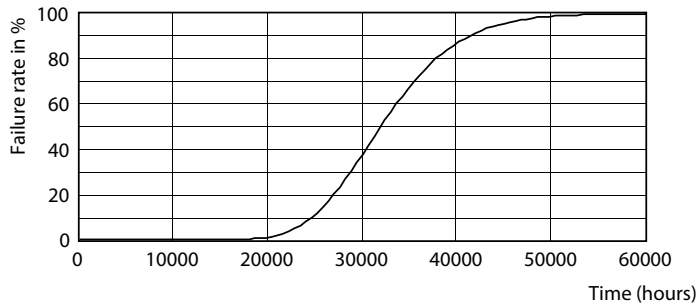
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Photometric data



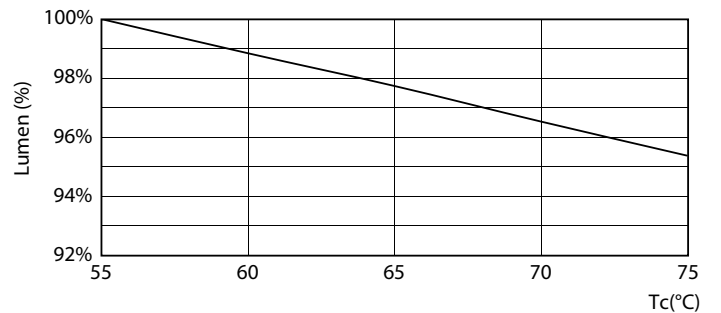
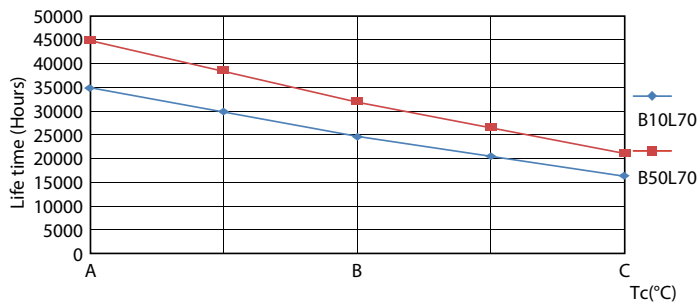
LEDtube COR 8W G13 800lm

Lifetime



LEDtube 30K

LEDtube 30K FailureRate

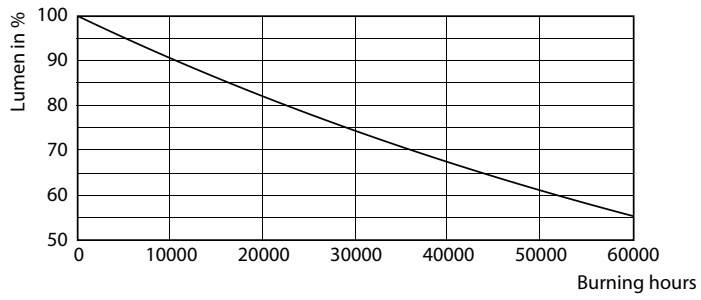


LEDtube 30K LifetimeVsTc

LEDtube COR 8W 30K LumenVsTc

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Lifetime



LEDtube 30K

