



Essential LED tubes T8 Mains

CorePro LEDtube HO 1200mm 18W865 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		Power (Nom)	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]		18 W
EU RoHS compliant	Yes	Lamp Current (Max)	183 mA
Nominal Lifetime (Nom)	30000 h	Lamp Current (Min)	68 mA
Switching Cycle	200000X	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
Light Technical		Temperature	
Color Code	865 [CCT of 6500K]	T-Ambient (Max)	45 °C
Beam Angle (Nom)	240 °	T-Ambient (Min)	-20 °C
Luminous Flux (Nom)	2100 lm	T-Storage (Max)	65 °C
Color Designation	Cool Daylight	T-Storage (Min)	-40 °C
Correlated Color Temperature (Nom)	6500 K	T-Case Maximum (Nom)	55 °C
Luminous Efficacy (rated) (Nom)	116.00 lm/W		
Color Consistency	<6	Controls and Dimming	
Color Rendering Index (Nom)	80	Dimmable	No
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Operating and Electrical			
Input Frequency	50 to 60 Hz		

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Mechanical and Housing

Product Length	1200 mm
Bulb Shape	Tube, single-ended

Approval and Application

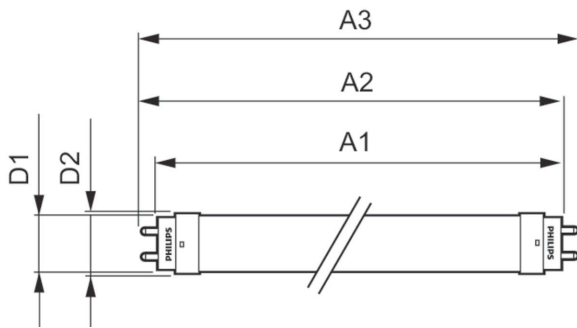
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate KEMA Keur certificate
Energy Consumption kWh/1000 h	- kWh

Product Data

Full product code	871869959944700
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Order product name	CorePro LEDtube HO 1200mm 18W865 VVW T8
EAN/UPC - Product	8718699599447
Order code	929001947811
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001947811
Net Weight (Piece)	0.183 kg

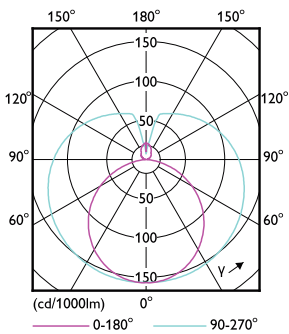
Dimensional drawing



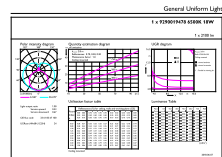
TLED 1200mm 18-36W 2100lm 6500K G13

Product	D1	D2	A1	A2	A3
CorePro LEDtube HO 1200mm 18W865 VVW T8	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data



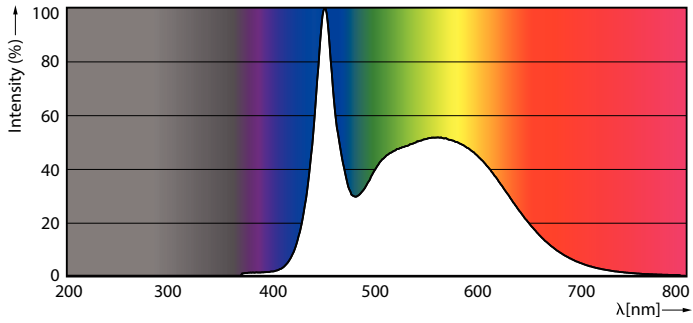
LEDtube COR 18W G13 2100lm



LEDtube COR 18W G13 2100lm 865

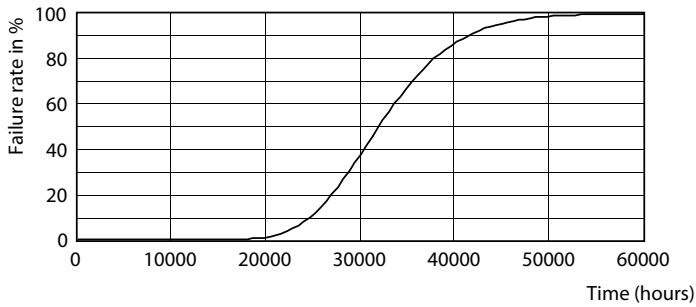
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Photometric data

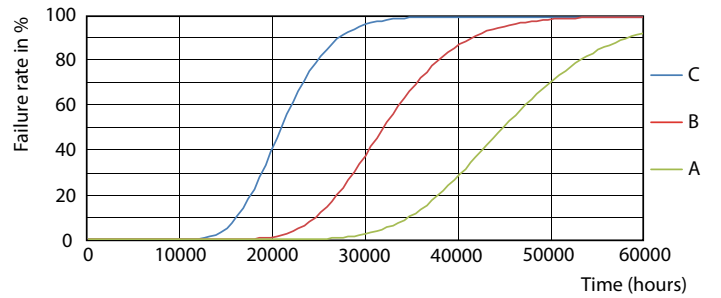


LEDtube COR 8W G13 800lm 865

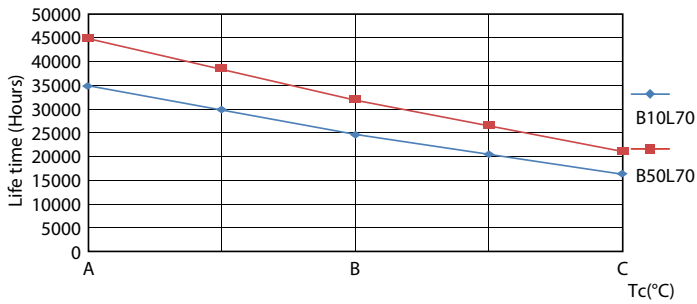
Lifetime



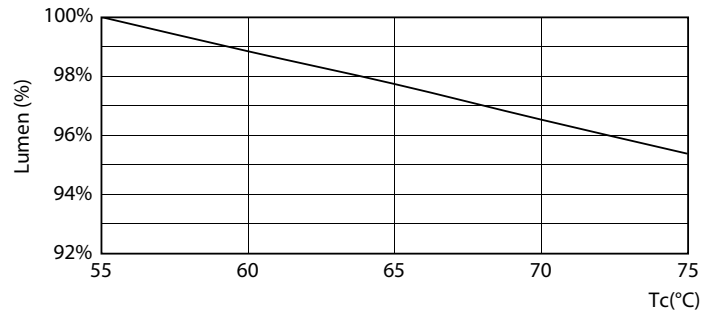
LEDtube 30K



LEDtube 30K FailureRate



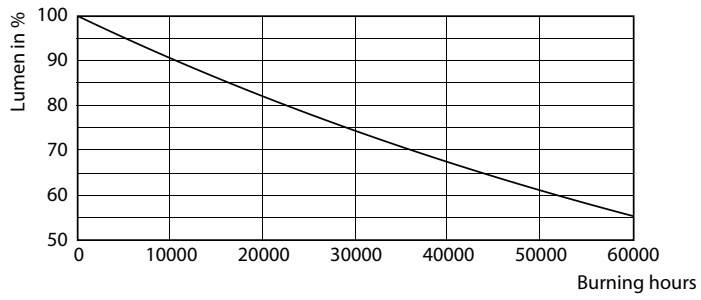
LEDtube 30K LifetimeVsTc



LEDtube COR 8W 30K LumenVsTc

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Lifetime



LEDtube 30K

