



# Essential LED tubes T8 Mains

## CorePro LEDtube 600mm 8W 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		Power (Nom)	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]		8 W
EU RoHS compliant	Yes	Lamp Current (Max)	81 mA
Nominal Lifetime (Nom)	30000 h	Lamp Current (Min)	33 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)	800 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)	100.00 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		

# Essential LED tubes T8 Mains

## Mechanical and Housing

Product Length	600 mm
Bulb Shape	Tube, single-ended

## Approval and Application

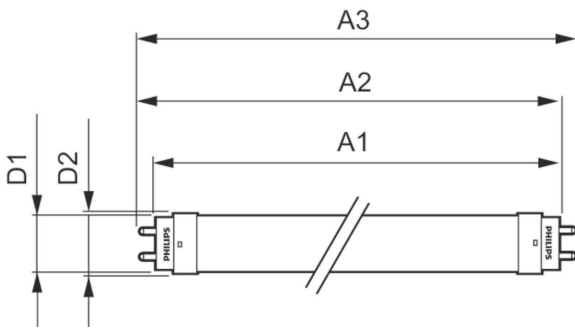
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate KEMA Keur certificate
Energy Consumption kWh/1000 h	- kWh

## Product Data

Full product code	871869959936200
-------------------	-----------------

Order product name	CorePro LEDtube 600mm 8W 865 VVW T8
EAN/UPC - Product	8718699599362
Order code	929001947411
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001947411
Net Weight (Piece)	0.120 kg

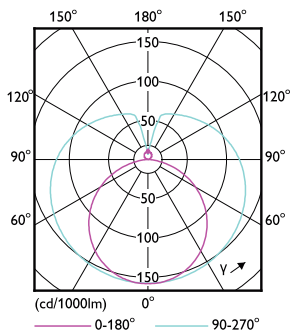
## Dimensional drawing



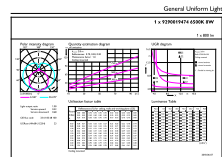
TLED 600mm 8-16W 800lm 6500K G13

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

## Photometric data



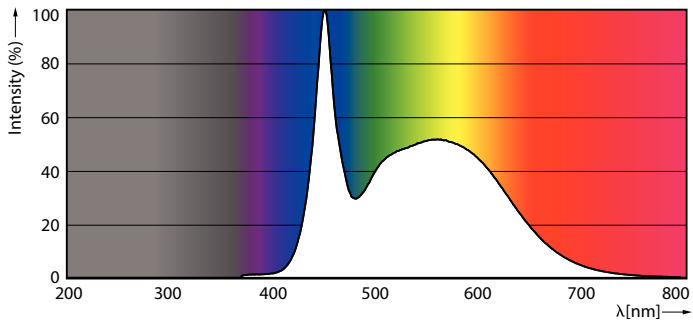
LEDtube COR 8W G13 800lm



LEDtube COR 8W G13 800lm 865

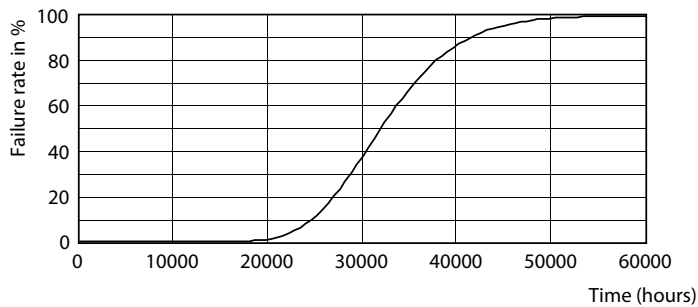
# Essential LED tubes T8 Mains

## Photometric data

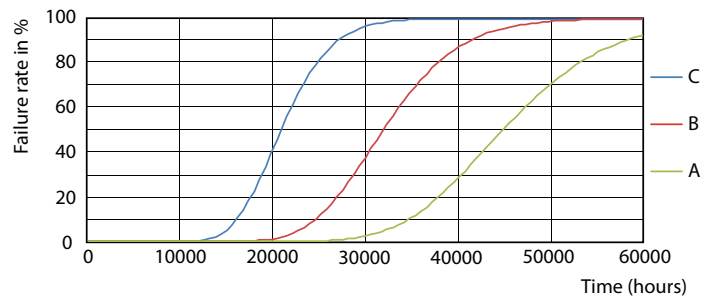


LEDtube COR 8W G13 800lm 865

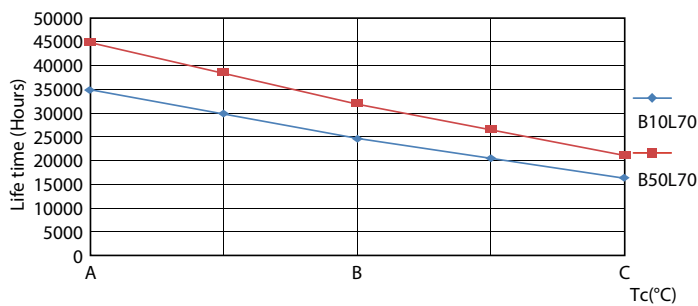
## Lifetime



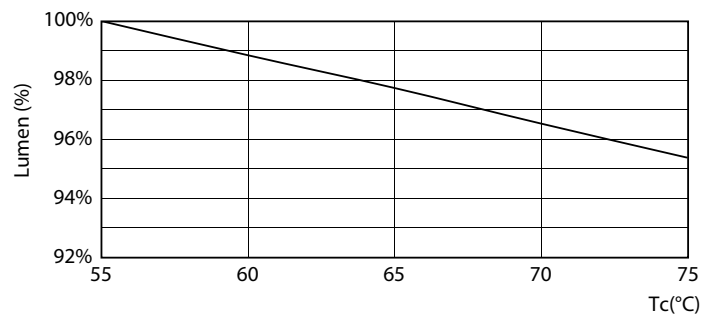
LEDtube 30K



LEDtube 30K FailureRate



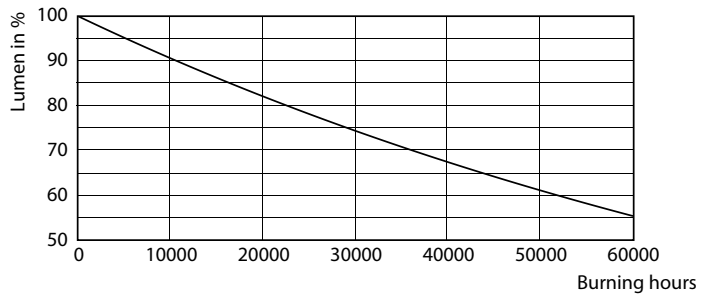
LEDtube 30K LifetimeVsTc



LEDtube COR 8W 30K LumenVsTc

# Essential LED tubes T8 Mains

## Lifetime



LEDtube 30K

