



# The new generation of energy saving and affordable T8 Mains tube lighting

## Essential LED tubes T8 Mains

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.

### Benefits

- Up to 50% energy saving compared with conventional fluorescent systems
- Easy installation: retrofit replacement of existing T8 lamps improving the quality of light
- Lower maintenance costs

### Features

- Retrofit solution with Long lifetime of 25.000hs
- Excellent quality of light with CRI >80
- Instant on, no flicker or buzz

### Application

- Parking lots and covered car parks, warehouses
- Retail, offices
- Public areas

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## Dimensional drawing

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
CorePro LEDtube 600mm 8W 865 VVW T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube HO 1200mm 18W840 VVW T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube HO 1200mm 18W865 VVW T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

General Information	
Cap-Base	G13
Switching Cycle	200,000
Nominal lifetime	30,000 hour(s)
Light Technical	
Beam Angle (Nom)	240 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	T8
Approval and Application	
Energy Consumption kWh/1000 h	- kWh

## Light Technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929001947311	CorePro LEDtube 600mm 8W 840 VVW T8	4000 K	840	800 lm
929001947411	CorePro LEDtube 600mm 8W 865 VVW T8	6500 K	865	800 lm
929001947711	CorePro LEDtube HO 1200mm 18W840 VVW T8	4000 K	840	2,100 lm
929001947811	CorePro LEDtube HO 1200mm 18W865 VVW T8	6500 K	865	2,100 lm

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
929001947311	CorePro LEDtube 600mm 8W 840 VVW T8	8 W
929001947411	CorePro LEDtube 600mm 8W 865 VVW T8	8 W
929001947711	CorePro LEDtube HO 1200mm 18W840 VVW T8	18 W
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