



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

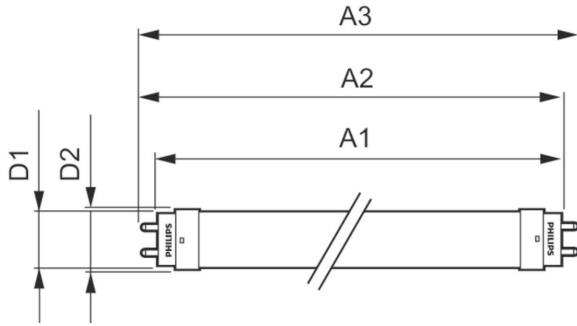
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Versions



Medium Bi-Pin Fluorescent Tube,
single-ended

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 1200mm 16W 865 VVW T8	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
CorePro LEDtube HO 1200mm 18W840 VVW T8	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
CorePro LEDtube HO 1200mm 18W865 VVW T8	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Approval and Application

Energy Consumption kWh/1000 h - kWh

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 100-277 V

Starting Time (Nom) 0.5 s

General Information

Cap-Base G13

Nominal Lifetime (Nom) 30000 h

Switching Cycle 200000X

Light Technical

Beam Angle (Nom) 240 °

Color Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

Mechanical and Housing

Bulb Shape Tube, single-ended

Temperature

T-Ambient (Max) 45 °C

T-Ambient (Min) -20 °C

T-Case Maximum (Nom) 55 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
929001947311	CorePro LEDtube 600mm 8W 840 VVW T8	8 W
929001947411	CorePro LEDtube 600mm 8W 865 VVW T8	8 W
929001947611	CorePro LEDtube 1200mm 16W 865 VVW T8	16 W
929001947711	CorePro LEDtube HO 1200mm 18W840 VVW T8	18 W
929001947811	CorePro LEDtube HO 1200mm 18W865 VVW T8	18 W

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Light Technical

Order Code	Full Product Name	Color Code	Correlated Color	
			Temperature (Nom)	Luminous Flux (Nom)
929001947311	CorePro LEDtube 600mm 8W 840 VVW T8	840	4000 K	800 lm
929001947411	CorePro LEDtube 600mm 8W 865 VVW T8	865	6500 K	800 lm
929001947611	CorePro LEDtube 1200mm 16W 865 VVW T8	865	6500 K	1600 lm
929001947711	CorePro LEDtube HO 1200mm 18W840 VVW T8	840	4000 K	2100 lm
929001947811	CorePro LEDtube HO 1200mm 18W865 VVW T8	865	6500 K	2100 lm

