

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

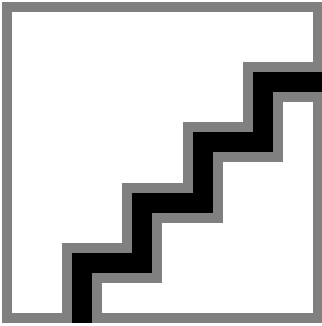
- Retrofit solution with Long lifetime of 25.000hs
- Excellent quality of light with CRI >80
- Instant on, no flicker or buzz

Application

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

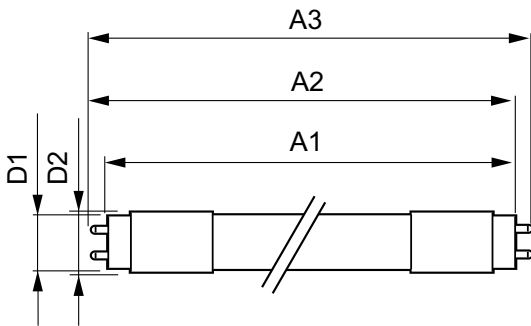
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Versions



G13

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm 9W 865 T8 C W	25.6 mm	27.8 mm	589.8 mm	595.7 mm	604.0 mm
G					
CorePro LEDtube 1200mm 18W 865 T8C W	25.6 mm	27.8 mm	1199.4 mm	1205.3 mm	1213.6 mm
G					
CorePro LEDtube 1200mm 18W 840 T8C W	25.6 mm	27.8 mm	1199.4 mm	1205.3 mm	1213.6 mm
G					
CorePro LEDtube 600mm 9W 840 T8 C W	25.6 mm	27.8 mm	589.8 mm	595.7 mm	604.0 mm
G					

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Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 100-240 V

Starting Time (Nom) 0.5 s

General Information

Cap-Base G13

Switching Cycle 50000X

Light Technical

Color Rendering Index (Nom) 82

Llmf At End Of Nominal Lifetime (Nom) 70 %

Temperature

T-Ambient (Max) 45 °C

T-Ambient (Min) -20 °C

T-Case Maximum (Nom) 70 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001193972	CorePro LEDtube 1200mm 18W 840 T8C W G	18 kWh
929001194572	CorePro LEDtube 1200mm 18W 865 T8C W G	18 kWh
929001194672	CorePro LEDtube 600mm 9W 840 T8 C W G	9 kWh
929001194772	CorePro LEDtube 600mm 9W 865 T8 C W G	9 kWh

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
929001193972	CorePro LEDtube 1200mm 18W 840 T8C W G	18 W
929001194572	CorePro LEDtube 1200mm 18W 865 T8C W G	18 W

Order Code	Full Product Name	Power (Rated) (Nom)
929001194672	CorePro LEDtube 600mm 9W 840 T8 C W G	9 W
929001194772	CorePro LEDtube 600mm 9W 865 T8 C W G	9 W

General Information

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
929001193972	CorePro LEDtube 1200mm 18W 840 T8C W G	30000 h	30000 h
929001194572	CorePro LEDtube 1200mm 18W 865 T8C W G	30000 h	30000 h

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
929001194672	CorePro LEDtube 600mm 9W 840 T8 C W G	25000 h	25000 h
929001194772	CorePro LEDtube 600mm 9W 865 T8 C W G	30000 h	30000 h

Light Technical

Order Code	Full Product Name	Correlated Color		
		Color Code	Temperature (Nom)	Luminous Flux (Rated) (Nom)
929001193972	CorePro LEDtube 1200mm 18W 840 T8C W G	840	4000 K	1850 lm

Order Code	Full Product Name	Correlated Color		
		Color Code	Temperature (Nom)	Luminous Flux (Rated) (Nom)
929001194572	CorePro LEDtube 1200mm 18W 865 T8C W G	865	6500 K	1850 lm

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Order Code	Full Product Name	Color Code	Correlated Color	
			Temperature (Nom)	Luminous Flux (Rated) (Nom)
929001194672	CorePro LEDtube 600mm 9W 840 T8 C W G	840	4000 K	900 lm
929001194772	CorePro LEDtube 600mm 9W 865 T8 C W G	865	6500 K	900 lm

