

Essential LED tubes T8 Mains

ESSENTIAL LEDtube 600mm 9W 840 T8 C W G

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					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	25,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	840 [CCT of 4000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	900 lm				
Correlated Color Temperature (Nom)	4000 K				
Color Consistency	<6				
Color rendering index (CRI)	82				
LLMF At End Of Nominal Lifetime (Nom) 70 %					
Operating and Electrical					
Line Frequency	50 to 60 Hz				
Input Frequency	50 to 60 Hz				

Power Consumption	9 W				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	Instant full light s				
Power Factor (Fraction)	0.92				
Voltage (Nom)	100-240 V				
Temperature					
Ambient temperature range	-20 °C to 45 °C				
T-Case Maximum (Nom)	70 ℃				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Product Length	600 mm				
Approval and Application					
Energy Saving Product	Yes				
Suitable For Accent Lighting	No				

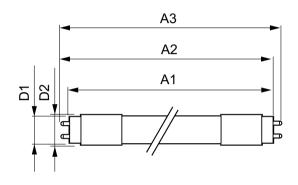
Datasheet, 2023, December 6 data subject to change

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Approval Marks	CE marking UL certificate RoHS compliance		
	KEMA Keur certificate		
Energy Consumption kWh/1000 h	9 kWh		
Product Data			
Order product name	ESSENTIAL LEDtube 600mm 9W 840 T8 C W		
	G		
Full product name	ESSENTIAL LEDtube 600mm 9W 840 T8 C W		
	G		

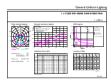
Full product code	871869652787000		
Order code	929001194671		
Material Nr. (12NC)	929001194671		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8718696527870		
Numerator - Packs per outer box	10		
EAN/UPC - Case	8718696527887		

Dimensional drawing



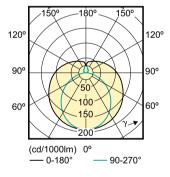
Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 600mm 9W	25.6 mm	27.8 mm	589.8 mm	595.7 mm	604.0 mm
840 T8 C W G					

Photometric data



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General uniform lighting - ESSENTIAL LEDtube 600mm 9W 840 T8 C W G



Light Distribution Diagram - ESSENTIAL LEDtube 600mm 9W 840 T8 C W G

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Photometric data



Spectral Power Distribution Colour - ESSENTIAL LEDtube 600mm 9W 840 T8 C W G



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