

Essential LED tubes T8 Mains

ESSENTIAL LEDtube 600mm 9W 865 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	30,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	865 [CCT of 6500K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	900 lm				
Correlated Color Temperature (Nom)	6500 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		
Lamp Current (Max)	89 mA		
Lamp Current (Min)	38 mA		
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		

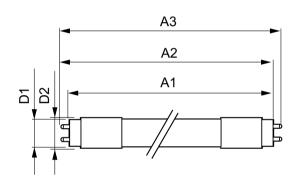
Datasheet, 2023, December 5 data subject to change

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Approval and Application				
Energy Saving Product	Yes			
Suitable For Accent Lighting	No			
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 865 T8 C W			
	G			
Full product name	ESSENTIAL LEDtube 600mm 9W 865 T8 C W			

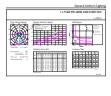
Full product code	871869652789400			
Order code	929001194711			
Material Nr. (12NC)	929001194711			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718696527894			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718696527900			

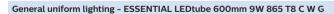
Dimensional drawing

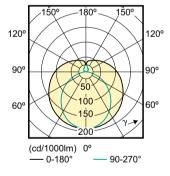


Product	D1	D2	A1	A2	А3
ESSENTIAL LEDtube 600mm 9W	25.6 mm	27.8 mm	589.8 mm	595.7 mm	604.0 mm
865 T8 C W G					

Photometric data



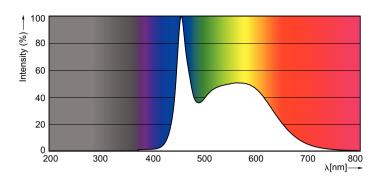




Light Distribution Diagram - ESSENTIAL LEDtube 600mm 9W 865 T8 C W G

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Photometric data



Spectral Power Distribution Colour - ESSENTIAL LEDtube 600mm 9W 865 T8 C W G



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