

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			

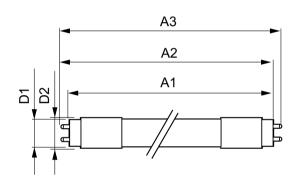
Datasheet, 2023, April 29 data subject to change

Essential LED tubes T8 Mains

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				

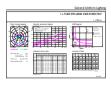
Full product code	871869652789400			
Order code	52789400			
Material Nr. (12NC)	929001194711			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718696527894			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718696527900			

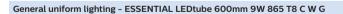
Dimensional drawing

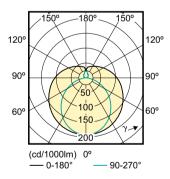


Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 600mm 9W	25.6 mm	27.8 mm	589.8 mm	595.7 mm	604.0 mm
865 T8 C W G					

Photometric data



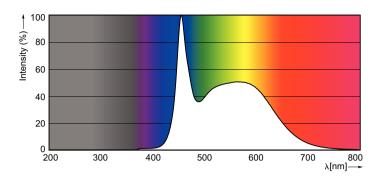




Light Distribution Diagram - ESSENTIAL LEDtube 600mm 9W 865 T8 C W G

Essential LED tubes T8 Mains

Photometric data



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



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.