



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

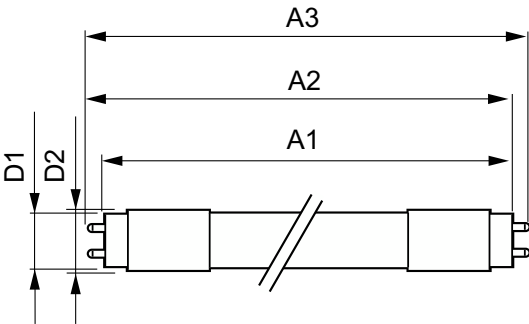
General Information		Power Consumption	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]		9 W
Nominal lifetime	30,000 hour(s)	Lamp Current (Max)	89 mA
Switching Cycle	50,000	Lamp Current (Min)	38 mA
Lighting Technology	LED	Starting Time (Nom)	0.5 s
EU RoHS compliant	Yes	Warm-up time to 60% light	Instant full light s
Light Technical		Power Factor (Fraction)	0.92
Color Code	865 [CCT of 6500K]	Voltage (Nom)	100-240 V
Beam Angle (Nom)	240 degree(s)	Temperature	
Luminous Flux	900 lm	Ambient temperature range	-20 °C to 45 °C
Correlated Color Temperature (Nom)	6500 K	T-Case Maximum (Nom)	70 °C
Color Consistency	<6	Controls and Dimming	
Color rendering index (CRI)	82	Dimmable	No
LLMF At End Of Nominal Lifetime (Nom)	70 %	Mechanical and Housing	
Operating and Electrical		Product Length	600 mm
Line Frequency	50 to 60 Hz		
Input Frequency	50 to 60 Hz		

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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 G

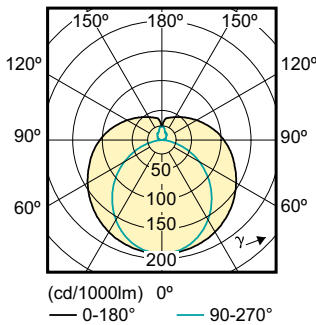
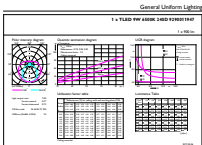
Full product code	871869652789400
Order code	929001194711
Material Nr. (12NC)	929001194711
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696527894
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696527900

Dimensional drawing



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

Photometric data

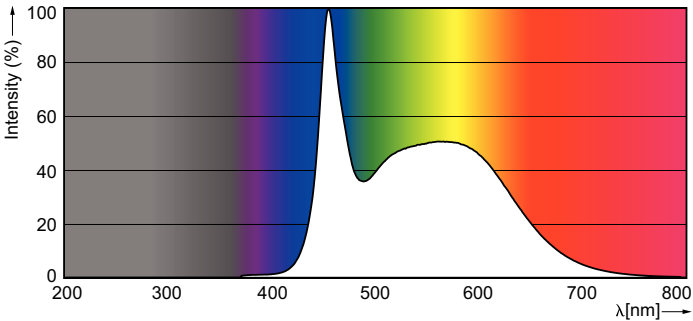


General uniform lighting - ESSENTIAL LEDtube 600mm 9W 865 T8 C W G

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

