



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 connections. 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]
Main application	Industrial
Nominal lifetime (nom.)	30000 h
Switching cycle	50000X
B50L70	30000 h

Light Technical	
Colour code	865 [CCT of 6,500 K]
Beam Angle (Nom)	240 °
Luminous flux (nom.)	900 lm
Luminous flux (rated) (nom.)	900 lm
Correlated colour temperature (nom.)	6500 K
Colour consistency	<6
Color rendering index (nom.)	82
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	50 to 60 Hz

Power (Rated) (Nom)	9 W
Lamp current (max.)	89 mA
Lamp current (min.)	38 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	instant full light s
Power factor (nom.)	0.92
Voltage (Nom)	100–240 V

Temperature	
T ambient (max.)	45 °C
T ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C
T-Case maximum (nom.)	70 °C

Controls and Dimming	
Dimmable	No

Essential LED tubes T8 Mains

Mechanical and Housing

Product length 600 mm

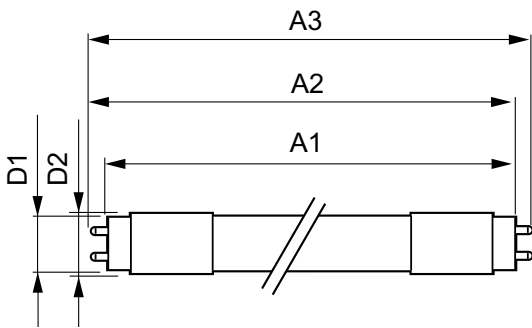
Approval and Application

Energy efficiency label (EEL) A+
 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

Full product code 871869652789400
 Order product name ESSENTIAL LEDtube 600mm 9W 865 T8 C W G
 EAN/UPC – product 8718696527894
 Order code 52789400
 Numerator – quantity per pack 1
 Numerator – packs per outer box 10
 Material no. (12NC) 929001194711
 Net weight (piece) 0.120 kg

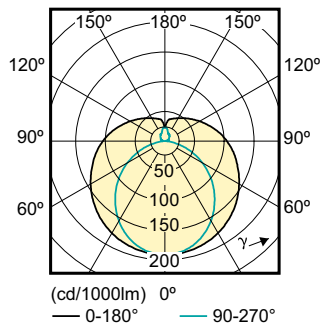
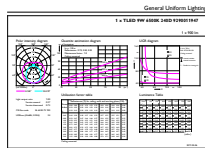
Dimensional drawing



LEDtube 600mm 9W/865 T8C WG

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



Essential LEDtube 9W G13 6500K 240D

Essential LED tubes T8 Mains

Photometric data

