



Essential LED tubes T8 Mains

ESSENTIAL LEDtube 1200mm 18W 865 T8C 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.)	1850 lm
Luminous flux (rated) (nom.)	1850 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)	18 W
Lamp current (nom.)	72 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

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Mechanical and Housing

Product length 1200 mm

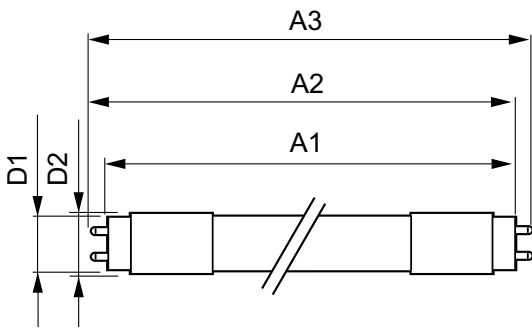
Approval and Application

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 18 kWh

Product Data

Full product code 871869652819800
 Order product name ESSENTIAL LEDtube 1200mm 18W 865 T8C W G
 EAN/UPC – product 8718696528198
 Order code 52819800
 Numerator – quantity per pack 1
 Numerator – packs per outer box 10
 Material no. (12NC) 929001194511
 Net weight (piece) 0.215 kg

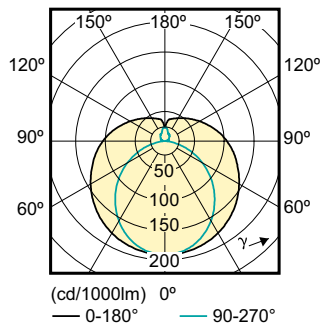
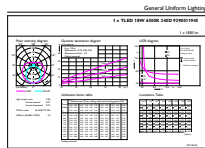
Dimensional drawing



LEDtube 1200mm 18W/865 T8C WG

Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	25.6 mm	27.8 mm	1199.4 mm	1205.3 mm	1213.6 mm

Photometric data



Essential LEDtube 18W G13 6500K 240D

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Photometric data

