



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 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

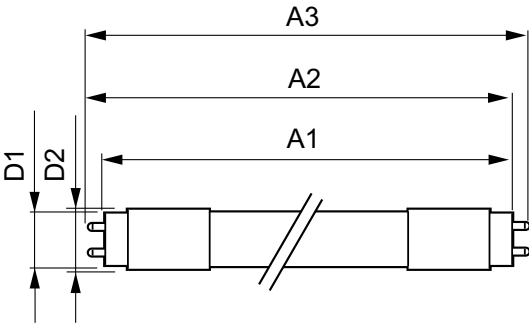
General Information		Power Consumption	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	18 W	
Nominal lifetime	30,000 hour(s)	Starting Time (Nom)	
Switching Cycle	50,000	0.5 s	
Lighting Technology	LED	Warm-up time to 60% light	
EU RoHS compliant	Yes	Instant full light s	
Light Technical		Power Factor (Fraction)	
Color Code	865 [CCT of 6500K]	0.92	
Beam Angle (Nom)	240 degree(s)	Voltage (Nom)	
Luminous Flux	1,850 lm	100-240 V	
Correlated Color Temperature (Nom)	6500 K	Temperature	
Color Consistency	<6	Ambient temperature range	
Color rendering index (CRI)	82	-20 °C to 45 °C	
LLMF At End Of Nominal Lifetime (Nom)	70 %	T-Case Maximum (Nom)	
Operating and Electrical		70 °C	
Line Frequency	50 to 60 Hz	Controls and Dimming	
Input Frequency	50 to 60 Hz	Dimmable	
		No	
		Mechanical and Housing	
		Product Length	
		1,200 mm	
		Approval and Application	
		Energy Saving Product	
		Yes	
		Suitable For Accent Lighting	
		No	

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Approval Marks	CE marking UL certificate RoHS compliance
	KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
Product Data	
Order product name	ESSENTIAL LEDtube 1200mm 18W 865 T8C W G
Full product name	ESSENTIAL LEDtube 1200mm 18W 865 T8C W G

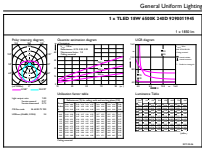
Full product code	871869652819800
Order code	52819800
Material Nr. (12NC)	929001194511
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696528198
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696528204

Dimensional drawing



Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1200mm 18W 865 T8C W G	25.6 mm	27.8 mm	1,199.4 mm	1,205.3 mm	1,213.6 mm

Photometric data

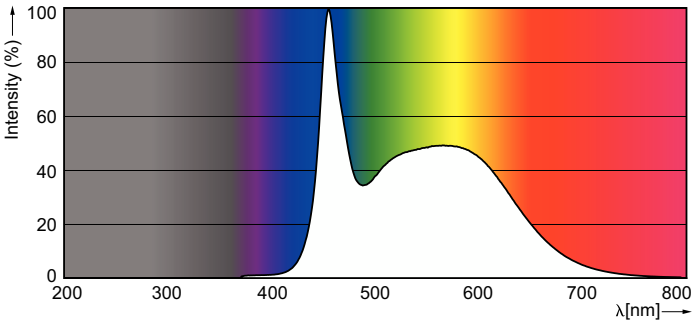


General uniform lighting - ESSENTIAL LEDtube 1200mm 18W 865 T8C W G

Light Distribution Diagram - ESSENTIAL LEDtube 1200mm 18W 865 T8C W G

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Photometric data



Spectral Power Distribution Colour - ESSENTIAL LEDtube 1200mm 18W 865 T8C W G

