



# Essential LED tubes T8 Mains

## ESSENTIAL LEDtube 1200mm 18W 840 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

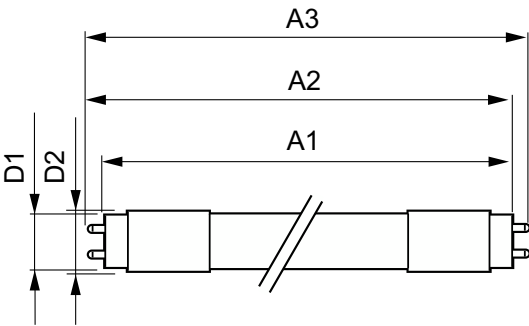
<b>General Information</b>		<b>Power Consumption</b>	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	18 W	
Nominal lifetime	25,000 hour(s)	<b>Starting Time (Nom)</b>	
Switching Cycle	50,000	0.5 s	
Lighting Technology	LED	<b>Warm-up time to 60% light</b>	
EU RoHS compliant	Yes	Instant full light s	
<b>Light Technical</b>		<b>Power Factor (Fraction)</b>	
Color Code	840 [CCT of 4000K]	0.92	
Beam Angle (Nom)	240 degree(s)	<b>Voltage (Nom)</b>	
Luminous Flux	1,850 lm	100–240 V	
Correlated Color Temperature (Nom)	4000 K	<b>Temperature</b>	
Color Consistency	<6	<b>Ambient temperature range</b>	
Color rendering index (CRI)	82	–20 °C to 45 °C	
LLMF At End Of Nominal Lifetime (Nom)	70 %	<b>T-Case Maximum (Nom)</b>	
<b>Operating and Electrical</b>		70 °C	
Line Frequency	50 to 60 Hz	<b>Controls and Dimming</b>	
Input Frequency	50 to 60 Hz	<b>Dimmable</b>	
		No	
		<b>Mechanical and Housing</b>	
		<b>Product Length</b>	
		1,200 mm	
		<b>Approval and Application</b>	
		<b>Energy Saving Product</b>	
		Yes	
		<b>Suitable For Accent Lighting</b>	
		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 840 T8C W G
Full product name	ESSENTIAL LEDtube 1200mm 18W 840 T8C W G

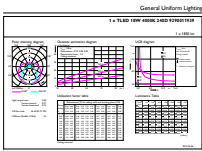
Full product code	871869652795500
Order code	929001193971
Material Nr. (12NC)	929001193971
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696527955
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696527962

Dimensional drawing



Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1200mm 18W 840 T8C W G	25.6 mm	27.8 mm	1,199.4 mm	1,205.3 mm	1,213.6 mm

Photometric data

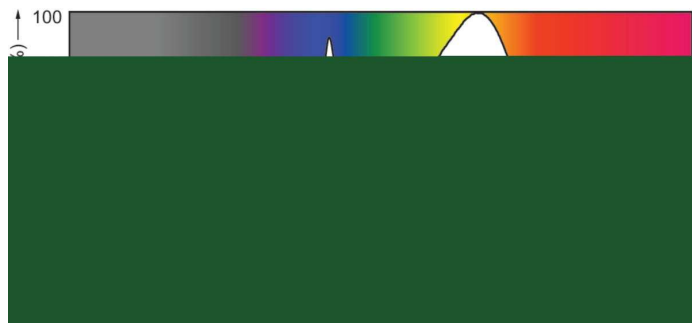


General uniform lighting - ESSENTIAL LEDtube 1200mm 18W 840 T8C W G

Light Distribution Diagram - ESSENTIAL LEDtube 1200mm 18W 840 T8C W G

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### Photometric data



Spectral Power Distribution Colour - ESSENTIAL LEDtube 1200mm 18W 840  
T8C W G

