

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

General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	25,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	840 [CCT of 4000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	1,850 lm				
Correlated Color Temperature (Nom)	4000 K				
Color Consistency	<6				
Color rendering index (CRI)	82				
LLMF At End Of Nominal Lifetime (Nom) 70 %					
Operating and Electrical					
Line Frequency	50 to 60 Hz				
Input Frequency	50 to 60 Hz				

Power Consumption	18 W				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	Instant full light s				
Power Factor (Fraction)	0.92				
Voltage (Nom)	100-240 V				
Temperature					
Ambient temperature range	-20 °C to 45 °C				
T-Case Maximum (Nom)	70 °C				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Product Length	1,200 mm				
Approval and Application					
Energy Saving Product	Yes				
Suitable For Accent Lighting	No				

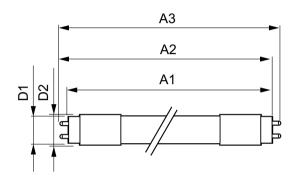
Datasheet, 2023, December 6 data subject to change

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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		

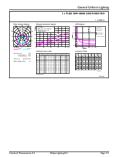
Full product code	871869652795500			
Order code	929001193971			
Material Nr. (12NC)	929001193971			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718696527955			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718696527962			

Dimensional drawing



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

Photometric data



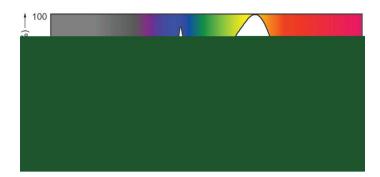
General uniform lighting - ESSENTIAL LEDtube 1200mm 18W 840 T8C W ${\rm G}$



Light Distribution Diagram - ESSENTIAL LEDtube 1200mm 18W 840 T8C W $\mbox{\rm G}$

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Photometric data



Spectral Power Distribution Colour - ESSENTIAL LEDtube 1200mm 18W 840 T8C W $\scriptstyle\rm G$



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