

# **Essential LED tubes T8 Mains**

# CorePro 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	30,000 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	
Color Designation	Cool White (CW)	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	102.00 lm/W	
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 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm

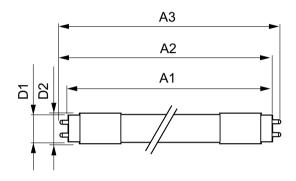
Datasheet, 2023, December 6 data subject to change

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Bulb Shape	Tube, double-ended
Approval and Application	
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	
Order product name	CorePro LEDtube 1200mm 18W 840 T8C W G

Full product name	CorePro LEDtube 1200mm 18W 840 T8C W G
Full product code	871869668291301
Order code	929001193972
Material Nr. (12NC)	929001193972
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696682913
Numerator - Packs per outer box	20
EAN/UPC - Case	8718699591410

## Dimensional drawing

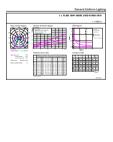


 Product
 D1
 D2
 A1
 A2
 A3

 CorePro LEDtube 1200mm 18W
 25.6 mm
 27.8 mm
 1,199.4 mm
 1,205.3 mm
 1,213.6 mm

 840 TBC W G
 1,205.3 mm
 1,213.6 mm
 1,213.6 mm

### Photometric data



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

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

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Photometric data

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



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