PHILIPS

Lighting



Essential LEDtube

ESSENTIAL LEDtube 1200mm 18W840 T8 AP I

Essential LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. 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)	150 degree(s)
Luminous Flux	1,600 lm
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color rendering index (CRI)	80
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)	0.9
Voltage (Nom)	220-240 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	53 °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
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh

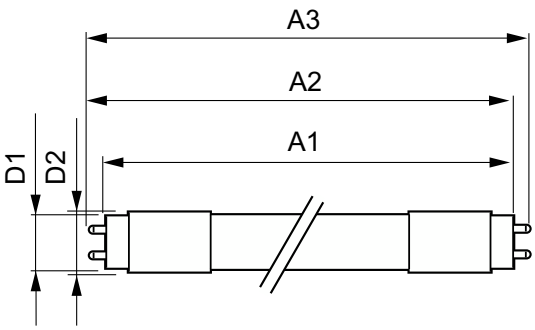
Product Data	
Order product name	ESSENTIAL LEDtube 1200mm 18W840 T8 AP I
Full product name	ESSENTIAL LEDtube 1200mm 18W840 T8 AP I
Full product code	871869642520600

Essential LEDtube

Order code	929001128208
Material Nr. (12NC)	929001128208
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696425206

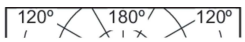
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696425213

Dimensional drawing

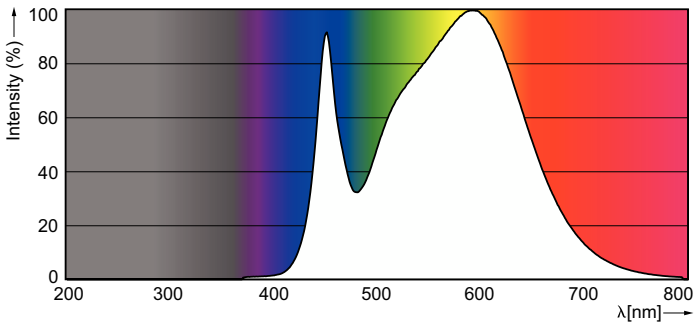


Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1200mm 18W840 T8 AP I	25.68 mm	28 mm	1,198.0 mm	1,205.0 mm	1,212.0 mm

Photometric data



Light Distribution Diagram - ESSENTIAL LEDtube 1200mm 18W840 T8 AP I



Spectral Power Distribution Colour - ESSENTIAL LEDtube 1200mm 18W840 T8 AP I

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