



# **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	ght 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				

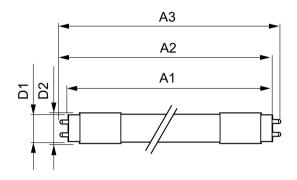
Datasheet, 2023, April 29 data subject to change

## **Essential LEDtube**

Order code	42520600		
Material Nr. (12NC)	929001128208		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8718696425206		

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

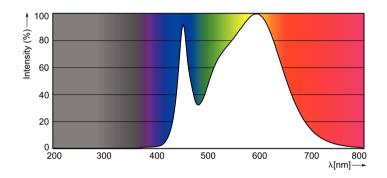
## Dimensional drawing



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

#### Photometric data





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

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



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.