



# **Essential LEDtube**

## ESSENTIAL LEDtube 1200mm 18W865 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	865 [CCT of 6500K]				
Beam Angle (Nom)	150 degree(s)				
Luminous Flux	1,600 lm				
Correlated Color Temperature (Nom)	6500 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				

	220 240 4			
Voltage (Nom)	220-240 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	53 ℃			
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 18W865 T8 AP I			
Full product name	ESSENTIAL LEDtube 1200mm 18W865 T8 AP I			
Full product code	871869642522000			

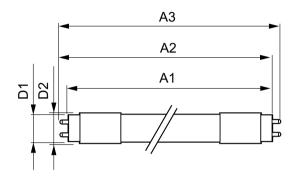
Datasheet, 2023, April 29 data subject to change

# **Essential LEDtube**

Order code	42522000
Material Nr. (12NC)	929001128308
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696425220

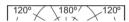
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696425237

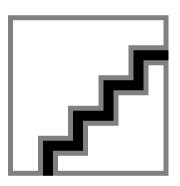
## Dimensional drawing



Product	D1	D2	A1	A2	А3
ESSENTIAL LEDtube 1200mm	25.68 mm	28 mm	1,198.0 mm	1,205.0 mm	1,212.0 mm
18W865 T8 AP I					

### Photometric data





Light Distribution Diagram - ESSENTIAL LEDtube 1200mm 18W865 T8 AP I

Spectral Power Distribution Colour - ESSENTIAL LEDtube 1200mm 18W865 T8 AP I



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