



# **Essential LED tubes T5 Mains**

#### MASTER LEDtube 1200mm 13W865 G5 I

The Essential LEDtube T5 is an affordable LED solution suitable for replacing T5 fluorescent lamps. Thanks to a unique design, Philips Essential LED tube T5 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	G5				
Nominal lifetime	40,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	865 [CCT of 6500K]				
Beam Angle (Nom)	160 degree(s)				
Luminous Flux	1,600 lm Cool Daylight				
Color Designation					
Correlated Color Temperature (Nom)	6500 K				
Luminous Efficacy (rated) (Nom)	123.00 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	83				
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	13 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	33 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	50 ℃			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	1,200 mm			
Bulb Shape	T5			
Approval and Application				
Energy Saving Product	Yes			

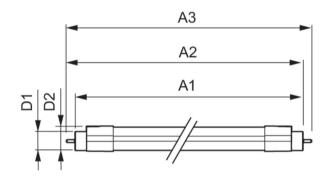
Datasheet, 2024, March 20 data subject to change

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Suitable For Accent Lighting	No			
Approval Marks	RoHS compliance KEMA Keur certificate CE			
	marking			
Energy Consumption kWh/1000 h	15 kWh			
Product Data				
Order product name	MASTER LEDtube 1200mm 13W865 G5 I			
Full product name	MASTER LEDtube 1200mm 13W865 G5 I			
Full product code	694793910875600			

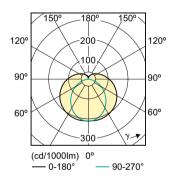
Order code	929001131210		
Material Nr. (12NC)	929001131210		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	6947939108756		
Numerator - Packs per outer box	20		
EAN/UPC - Case	6947939108763		

### Dimensional drawing

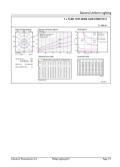


Product	D1	D2	A1	A2	А3
MASTER LEDtube 1200mm	15.8 mm	21.0 mm	1,148.0 mm	1,155.0 mm	1,162.0 mm
13W865 G5 I					

#### Photometric data







General uniform lighting - MASTER LEDtube 1200mm 13W865 G5 I

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#### Photometric data



Spectral Power Distribution Colour - MASTER LEDtube 1200mm 13W865 G5 I



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