PHILIPS

# **PHILIPS** Lighting

# 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 [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			
Color Designation	Cool Daylight			
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			

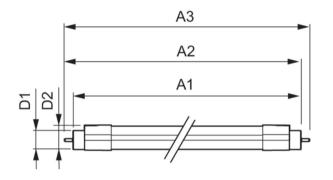
Input Frequency	50 to 60 Hz			
Power Consumption	13 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	33 V			
Temperature				
Ambient temperature range	-20 ℃ to 45 ℃			
T-Case Maximum (Nom)	50 ℃			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	1,200 mm			
Bulb Shape	Т5			
Approval and Application				
Energy Saving Product	Yes			

## **Essential LED tubes T5 Mains**

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			

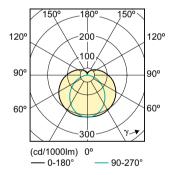
Order code	929001131210			
Material Nr. (12NC)	929001131210			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	6947939108756			
Numerator - Packs per outer box	20			
EAN/UPC - Case	6947939108763			

#### Dimensional drawing

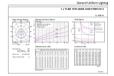


Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm	15.8 mm	21.0 mm	1,148.0 mm	1,155.0 mm	1,162.0 mm
13W865 G5 I					

#### Photometric data



Light Distribution Diagram - MASTER LEDtube 1200mm 13W865 G5 I



Caroutal Photometrics 4.5 Philips Lighting B.V. Page 19

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

### **Essential LED tubes T5 Mains**

Photometric data



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



© 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.

www.lighting.philips.com 2023, November 15 - data subject to change