# **PHILIPS** Lighting



# The new generation of energy saving and affordable T5 Mains tube lighting

# **Essential LED tubes T5 Mains**

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.

### Benefits

- $\cdot$  Up to 50% energy saving compared with coventional fluorescent systems
- $\boldsymbol{\cdot}$  Easy installation: retrofit replacement of existing T5 lamps improving the quality of
- light
- Lower maintenance costs

### Features

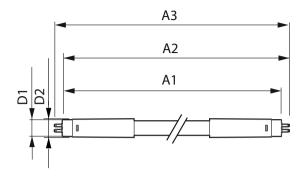
- Retrofit solution with Long lifetime of 25.000hs
- Excellent quality of light with CRI >80
- High power factor >0,9
- Instant on, no flicker or buzz

### Application

- Office, Shop, Education, Retail
- Industrial facilities and warehouses

# **Essential LED tubes T5 Mains**

## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W830	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
G5 I MX					
CorePro LEDtube 1200mm 16W840	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
G5 I MX					
CorePro LEDtube 1200mm 16W865	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
G5 I MX					
CorePro LEDtube 600mm 8W830	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
G5 I MX					
CorePro LEDtube 600mm 8W840	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
G5 I MX					
CorePro LEDtube 600mm 8W865	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
G5 I MX					

General Information	
Cap-Base	G5
Switching Cycle	50,000
Nominal lifetime	30,000 hour(s)
Light Technical	
Beam Angle (Nom)	200 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Temperature	
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	Т5
Approval and Application	
Ambient temperature range	-20 °C to 45 °C

# Light Technical

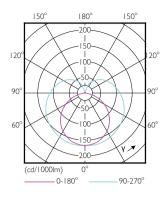
		Correlated Color	Color	
Order Code	Full Product Name	Temperature (Nom)	Code	Luminous Flux
929001275212	CorePro LEDtube 1200mm 16W840 G5 I	4000 K	840	1,850 lm
	MX			
929001275312	CorePro LEDtube 1200mm 16W865 G5 I	6500 K	865	1,850 lm
	MX			
929001275412	CorePro LEDtube 600mm 8W840 G5 I	4000 K	840	900 lm
	MX			
929001275512	CorePro LEDtube 600mm 8W865 G5 I	6500 K	865	900 lm
	MX			
929001380612	CorePro LEDtube 600mm 8W830 G5 I	3000 K	830	1,000 lm
	MX			
929001380912	CorePro LEDtube 1200mm 16W830 G5 I	3000 K	830	2,000 lm
	MX			

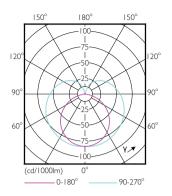
### **Operating and Electrical**

Order Code	Full Product Name	Power Consumption
929001275212	CorePro LEDtube 1200mm 16W840 G5 I MX	16 W
929001275312	CorePro LEDtube 1200mm 16W865 G5 I MX	16 W
929001275412	CorePro LEDtube 600mm 8W840 G5 I MX	8 W
929001275512	CorePro LEDtube 600mm 8W865 G5 I MX	8 W

Order Code	Full Product Name	Power Consumption
929001380612	CorePro LEDtube 600mm 8W830 G5 I MX	8 W
929001380912	CorePro LEDtube 1200mm 16W830 G5 I MX	16 W

# **Essential LED tubes T5 Mains**







© 2024 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. All trademarks are owned by Signify Holding or their respective owners.

www.lighting.philips.com 2024, December 9 - data subject to change