



Essential LED tubes T5 Mains

CorePro LEDtube 1200mm 16W840 G5 I MX

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	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)	200 degree(s)			
Luminous Flux	1,850 lm			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	115.00 lm/W			
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	16 W			
Lamp Current (Max)	175 mA			
Lamp Current (Min)	70 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.92			
Voltage (Nom)	100-240 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	70 ℃			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	1,200 mm			
Bulb Shape	T5			

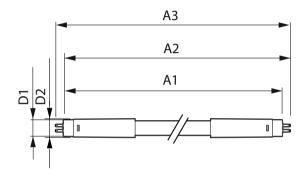
Datasheet, 2024, January 16 data subject to change

Essential LED tubes T5 Mains

Approval and Application				
Energy Saving Product	Yes			
Approval Marks	CE marking RoHS compliance KEMA Keur			
	certificate			
Energy Consumption kWh/1000 h	- kWh			
Product Data				
Order product name	CorePro LEDtube 1200mm 16W840 G5 I MX			
Full product name	CorePro LEDtube 1200mm 16W840 G5 I MX			

Full product code	871869666752100
Order code	929001275212
Material Nr. (12NC)	929001275212
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696667521
Numerator - Packs per outer box	20
EAN/UPC - Case	8718696667538

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W840	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
G5 I MX					



© 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. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.