



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

- Up to 50% energy saving compared with conventional fluorescent systems
- 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

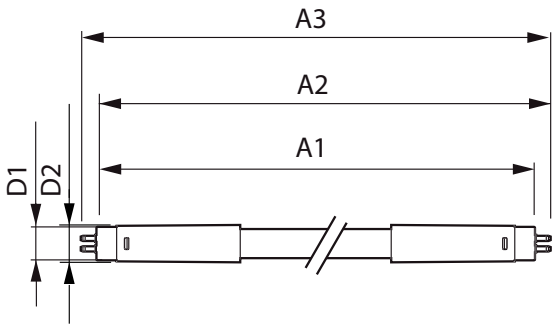
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Versions



LEDtube G5

Dimensional drawing



Product	D1	D2	A1	A2	A3
ESSENTIAL LEDtube 1200mm 16W840 G5 I MX	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
ESSENTIAL LEDtube 1200mm 16W865 G5 I MX	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
ESSENTIAL LEDtube 600mm 8W840 G5 I MX	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
ESSENTIAL LEDtube 1200mm 16W830 G5 I MX	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
ESSENTIAL LEDtube 600mm 8W865 G5 I MX	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
ESSENTIAL LEDtube 600mm 8W830 G5 I MX	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm

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Approval and Application	
Energy Efficiency Label (EEL)	A+
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 to 60 Hz
Voltage (Nom)	100-240 V
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	G5
Nominal Lifetime (Nom)	30000 h
Rated Lifetime (Hours)	30000 h
Switching Cycle	50000X
Light Technical	
Color Rendering Index (Nom)	80
Lmf At End Of Nominal Lifetime (Nom)	70 %
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Case Maximum (Nom)	70 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
929001275212	ESSENTIAL LEDtube 1200mm 16W840 G5 I MX	16 W
929001275312	ESSENTIAL LEDtube 1200mm 16W865 G5 I MX	16 W
929001275412	ESSENTIAL LEDtube 600mm 8W840 G5 I MX	8 W
929001275512	ESSENTIAL LEDtube 600mm 8W865 G5 I MX	8 W
929001380612	ESSENTIAL LEDtube 600mm 8W830 G5 I MX	8 W
929001380912	ESSENTIAL LEDtube 1200mm 16W830 G5 I MX	16 W

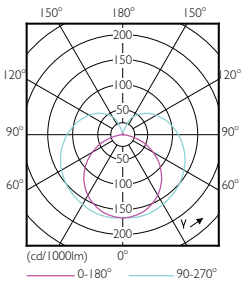
Light Technical

Order Code	Full Product Name	Color Code	Correlated Color	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
			Temperature (Nom)		
929001275212	ESSENTIAL LEDtube 1200mm 16W840 G5 I MX	840	4000 K	1850 lm	1850 lm
929001275312	ESSENTIAL LEDtube 1200mm 16W865 G5 I MX	865	6500 K	1850 lm	1850 lm
929001275412	ESSENTIAL LEDtube 600mm 8W840 G5 I MX	840	4000 K	900 lm	900 lm

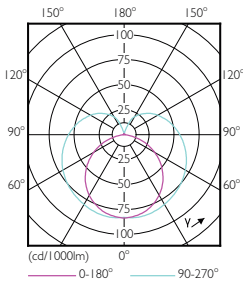
Order Code	Full Product Name	Color Code	Correlated Color	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
			Temperature (Nom)		
929001275512	ESSENTIAL LEDtube 600mm 8W865 G5 I MX	865	6500 K	900 lm	900 lm
929001380612	ESSENTIAL LEDtube 600mm 8W830 G5 I MX	830	3000 K	1000 lm	1000 lm
929001380912	ESSENTIAL LEDtube 1200mm 16W830 G5 I MX	830	3000 K	2000 lm	2000 lm

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Light Distribution Diagrams



ESSENTIAL LEDtube 8W G5 830 APR



ESSENTIAL LEDtube 16W G5 830 APR

