



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

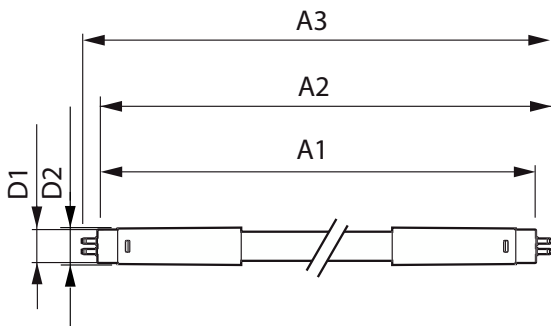
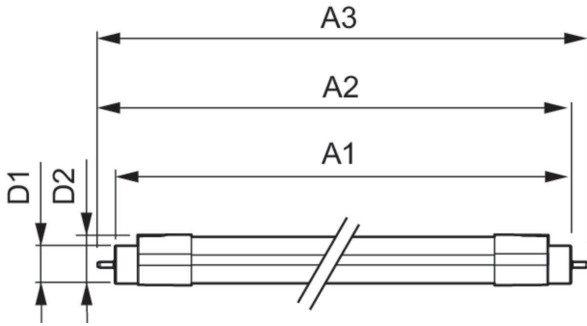
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Versions



LED Lamps, LEDtubes, MASTER
LEDtube 600mm, 1200mm G5

Dimensional drawing



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

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

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General Information	
Cap-Base	G5
Switching Cycle	50,000
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 45 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	T5

General Information

Order Code	Full Product Name	Nominal lifetime
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	40,000 hour(s)
929001275212	CorePro LEDtube 1200mm 16W840 G5 I MX	30,000 hour(s)
929001275312	CorePro LEDtube 1200mm 16W865 G5 I MX	30,000 hour(s)
929001275412	CorePro LEDtube 600mm 8W840 G5 I MX	30,000 hour(s)
929001275512	CorePro LEDtube 600mm 8W865 G5 I MX	30,000 hour(s)
929001380612	CorePro LEDtube 600mm 8W830 G5 I MX	30,000 hour(s)
929001380912	CorePro LEDtube 1200mm 16W830 G5 I MX	30,000 hour(s)

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color rendering index (CRI)	Color Code
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	160 degree(s)	6500 K	83	865
929001275212	CorePro LEDtube 1200mm 16W840 G5 I MX	200 degree(s)	4000 K	80	840
929001275312	CorePro LEDtube 1200mm 16W865 G5 I MX	200 degree(s)	6500 K	80	865
929001275412	CorePro LEDtube 600mm 8W840 G5 I MX	200 degree(s)	4000 K	80	840

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color rendering index (CRI)	Color Code
929001275512	CorePro LEDtube 600mm 8W865 G5 I MX	200 degree(s)	6500 K	80	865
929001380612	CorePro LEDtube 600mm 8W830 G5 I MX	200 degree(s)	3000 K	80	830
929001380912	CorePro LEDtube 1200mm 16W830 G5 I MX	200 degree(s)	3000 K	80	830

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	1,600 lm
929001275212	CorePro LEDtube 1200mm 16W840 G5 I MX	1,850 lm
929001275312	CorePro LEDtube 1200mm 16W865 G5 I MX	1,850 lm
929001275412	CorePro LEDtube 600mm 8W840 G5 I MX	900 lm

Order Code	Full Product Name	Luminous Flux
929001275512	CorePro LEDtube 600mm 8W865 G5 I MX	900 lm
929001380612	CorePro LEDtube 600mm 8W830 G5 I MX	1,000 lm
929001380912	CorePro LEDtube 1200mm 16W830 G5 I MX	2,000 lm

Operating and Electrical

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Order Code	Full Product Name	Power Consumption
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	13 W
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

Order Code	Full Product Name	Power Consumption
929001275512	CorePro LEDtube 600mm 8W865 G5 I MX	8 W
929001380612	CorePro LEDtube 600mm 8W830 G5 I MX	8 W
929001380912	CorePro LEDtube 1200mm 16W830 G5 I MX	16 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	50 °C
929001275212	CorePro LEDtube 1200mm 16W840 G5 I MX	70 °C
929001275312	CorePro LEDtube 1200mm 16W865 G5 I MX	70 °C
929001275412	CorePro LEDtube 600mm 8W840 G5 I MX	70 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001275512	CorePro LEDtube 600mm 8W865 G5 I MX	70 °C
929001380612	CorePro LEDtube 600mm 8W830 G5 I MX	70 °C
929001380912	CorePro LEDtube 1200mm 16W830 G5 I MX	70 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	15 kWh
929001275212	CorePro LEDtube 1200mm 16W840 G5 I MX	- kWh
929001275312	CorePro LEDtube 1200mm 16W865 G5 I MX	- kWh
929001275412	CorePro LEDtube 600mm 8W840 G5 I MX	- kWh
929001275512	CorePro LEDtube 600mm 8W865 G5 I MX	- kWh
929001380612	CorePro LEDtube 600mm 8W830 G5 I MX	- kWh
929001380912	CorePro LEDtube 1200mm 16W830 G5 I MX	- kWh

