



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



G5

Dimensional drawing

A3

Product	D1	D2	A1	A2	A3
MASTER LEDtube 600mm 7.5W865 G5 I	15.8 mm	21.0 mm	548.0 mm	555.0 mm	562.0 mm
MASTER LEDtube 1200mm 13W865 G5 I	15.8 mm	21.0 mm	1148.0 mm	1155.0 mm	1162.0 mm

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Approval and Application

Energy Efficiency Label (EEL)	A+
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Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s

General Information

Cap-Base	G5
Nominal Lifetime (Nom)	40000 h
Switching Cycle	50000X

Light Technical

Beam Angle (Nom)	160 °
Color Code	865
Correlated Color Temperature (Nom)	6500 K
Color Rendering Index (Nom)	83
Llmf At End Of Nominal Lifetime (Nom)	70 %

Mechanical and Housing

Bulb Shape	Tube, double-ended
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Temperature

T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	15 kWh
929001155010	MASTER LEDtube 600mm 7.5W865 G5 I	9 kWh

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	33 V	13 W

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
929001155010	MASTER LEDtube 600mm 7.5W865 G5 I	19 V	7.5 W

Light Technical

Order Code	Full Product Name	Luminous Flux (Nom)
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	1600 lm

Order Code	Full Product Name	Luminous Flux (Nom)
929001155010	MASTER LEDtube 600mm 7.5W865 G5 I	800 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001131210	MASTER LEDtube 1200mm 13W865 G5 I	50 °C
929001155010	MASTER LEDtube 600mm 7.5W865 G5 I	60 °C

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