



Essential LED tubes T5 Mains

MASTER LEDtube 1200mm 13W865 G5 I

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

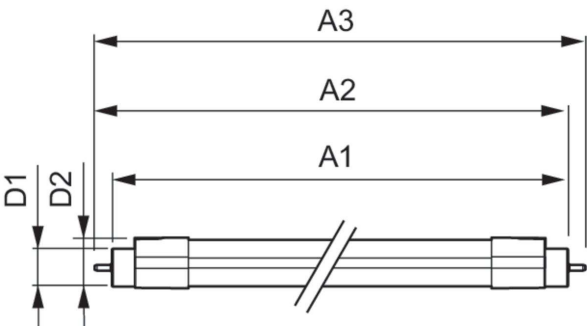
General Information		Input Frequency	
Cap-Base	G5 [G5]	Power Consumption	13 W
Nominal lifetime	40,000 hour(s)	Starting Time (Nom)	0.5 s
Switching Cycle	50,000	Warm-up time to 60% light	0.5 s
Lighting Technology	LED	Power Factor (Fraction)	0.9
EU RoHS compliant	Yes	Voltage (Nom)	33 V
Light Technical		Temperature	
Color Code	865 [CCT of 6500K]	Ambient temperature range	-20 °C to 45 °C
Beam Angle (Nom)	160 degree(s)	T-Case Maximum (Nom)	50 °C
Luminous Flux	1,600 lm	Controls and Dimming	
Color Designation	Cool Daylight	Dimmable	No
Correlated Color Temperature (Nom)	6500 K	Mechanical and Housing	
Luminous Efficacy (rated) (Nom)	123.00 lm/W	Product Length	1,200 mm
Color Consistency	<6	Bulb Shape	T5
Color rendering index (CRI)	83	Approval and Application	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Energy Saving Product	Yes
Operating and Electrical			
Line Frequency	50 to 60 Hz		

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Suitable For Accent Lighting	No
Approval Marks	RoHS compliance KEMA Keur certificate CE marking
Energy Consumption kWh/1000 h	15 kWh
Product Data	
Order product name	MASTER LEDtube 1200mm 13W865 G5 I
Full product name	MASTER LEDtube 1200mm 13W865 G5 I
Full product code	694793910875600

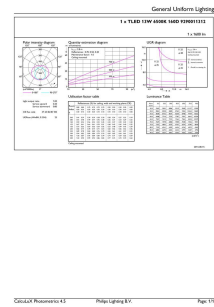
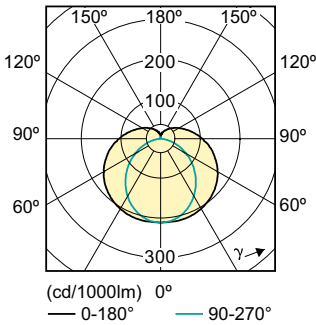
Order code	929001131210
Material Nr. (12NC)	929001131210
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6947939108756
Numerator - Packs per outer box	20
EAN/UPC - Case	6947939108763

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

Photometric data



Light Distribution Diagram - MASTER LEDtube 1200mm 13W865 G5 I

General uniform lighting - MASTER LEDtube 1200mm 13W865 G5 I

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Photometric data



Spectral Power Distribution Colour - MASTER LEDtube 1200mm 13W865 G5

