PHILIPS

Lighting



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	
Cap-Base	G5
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,600 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	123.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
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	13 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	33 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T5

Approval and Application	
Energy Saving Product	Yes

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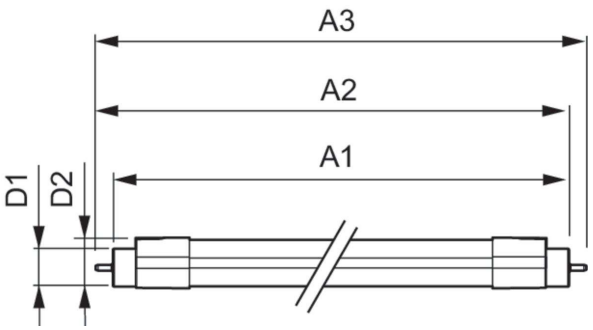
Suitable For Accent Lighting	No
Approval Marks	RoHS compliance KEMA Keur certificate CE marking
Energy Consumption kWh/1000 h	15 kWh

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

Product Data

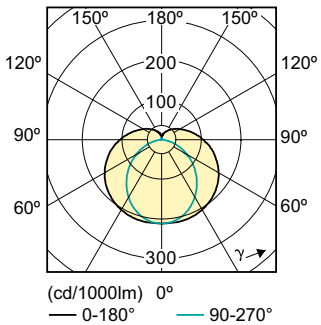
Order product name	MASTER LEDtube 1200mm 13W865 G5 I
Full product name	MASTER LEDtube 1200mm 13W865 G5 I
Full product code	694793910875600

Dimensional drawing

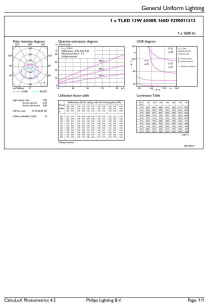


Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm 13W865 G5 I	15.8 mm	21.0 mm	1,148.0 mm	1,155.0 mm	1,162.0 mm

Photometric data



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



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

Essential LED tubes T5 Mains

Photometric data



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

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