



Essential LED tubes T8 Mains

CorePro LEDtube 1200mm 16W 865 VWV T8

The Essential LEDtube is an affordable LED solution suitable for an easy replacement of T8 fluorescent lamps. Thanks to a unique design, Philips Essential LED tube T8 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		Operating and Electrical	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	50 to 60 Hz
Nominal lifetime	30,000 hour(s)	Input Frequency	50 to 60 Hz
Switching Cycle	200,000	Power Consumption	16 W
Lighting Technology	LED	Lamp Current (Max)	162 mA
EU RoHS compliant	Yes	Lamp Current (Min)	60 mA
Light Technical		Starting Time (Nom)	0.5 s
Color Code	865 [CCT of 6500K]	Warm-up time to 60% light	0.5 s
Beam Angle (Nom)	240 degree(s)	Power Factor (Fraction)	0.9
Luminous Flux	1,600 lm	Voltage (Nom)	100-277 V
Color Designation	Cool Daylight	Temperature	
Correlated Color Temperature (Nom)	6500 K	Ambient temperature range	-20 °C to 45 °C
Luminous Efficacy (rated) (Nom)	100.00 lm/W	T-Case Maximum (Nom)	55 °C
Color Consistency	<6	Controls and Dimming	
Color rendering index (CRI)	80	Dimmable	No
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Mechanical and Housing

Product Length	1,200 mm
Bulb Shape	Tube, single-ended

Approval and Application

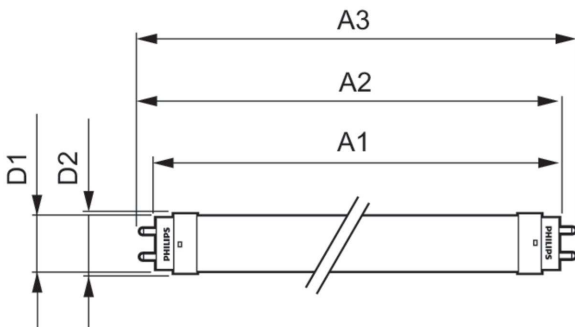
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate KEMA Keur certificate
Energy Consumption kWh/1000 h	- kWh

Product Data

Order product name	CorePro LEDtube 1200mm 16W 865 VVW T8
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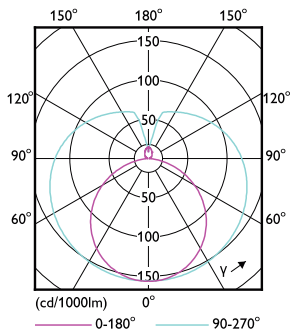
Full product name	CorePro LEDtube 1200mm 16W 865 VVW T8
Full product code	871869959940900
Order code	929001947611
Material Nr. (12NC)	929001947611
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699599409
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699599416

Dimensional drawing

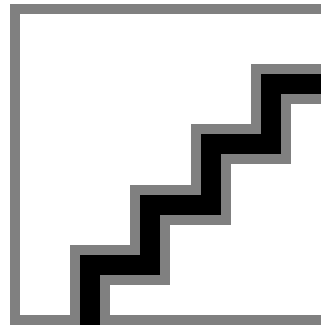


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W 865 VVW T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



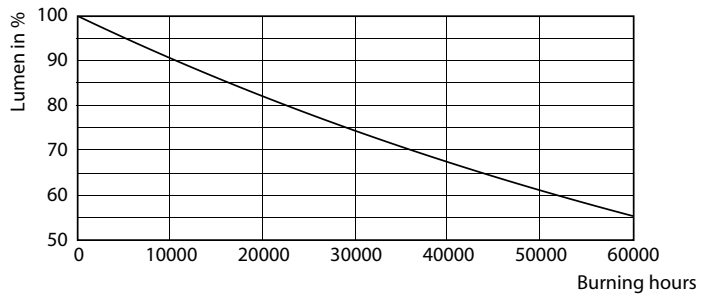
Light Distribution Diagram - CorePro LEDtube 1200mm 16W 865 VVW T8



Spectral Power Distribution Colour - CorePro LEDtube 1200mm 16W 865 VVW T8

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Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W 865 VWV T8

