



CorePro LED tube Universal T8



CorePro LEDtube UN 1200mm UO 15.5W830 T8

The new Philips CorePro LEDtube Universal T8 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips CorePro LEDtube Universal T8 directly fits in luminaires operating either on Electro Magnetic ballasts or HF Electronic ballasts or mains power connection. So simple to operate and no need to carry double stock of products! Perfectly safe, reliable & easy to install Philips CorePro LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to save energy and lower investment.

Product data

General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	50,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
Flux measurement reference	Sphere				
CE mark	Yes				
EU RoHS compliant	Yes				
Light Technical					
Color Code	830 [CCT of 3000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	2,200 lumen				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 K				
Luminous Efficacy (rated) (Nom)	141 lm/W				
Color Consistency	<6				

Color rendering index (CRI)	80			
LLMF At End Of Nominal Lifetime (Nom)	70 %			
Flickering value (PstLM)	1			
Stroboscopic effect value (SVM)	0.4			
Photobiological safety according to EN 62471 RG0				
Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input Frequency	50 to 60 Hz			
Power Consumption	15.5 W			
Lamp Current (Nom)	75 mA			
Wattage Equivalent	36 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	220-240 V			
Voltage (Nom)	220 V			

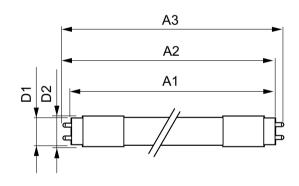
Datasheet, 2023, October 19 data subject to change

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LED alternative to fluorescent lamp power	36 W			
Temperature				
Ambient temperature range	-20 to +45 °C			
T-Case Maximum (Nom)	50 °C			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Bulb Finish	Frosted			
Bulb Material	Glass			
Product Length	1,200 mm			
Bulb Shape	Tube, double-ended			
Approval and Application				
Energy Efficiency Class	D			
Energy Saving Product	Yes			
Approval Marks	RoHS compliance TUV CE marking KEMA			
	Keur certificate			

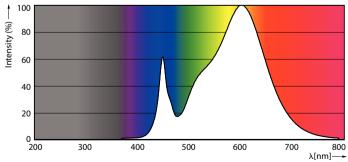
Energy Consumption kWh/1000 h	16 kWh			
EPREL Registration Number	1552693			
Product Data				
Full product code	872016919996500			
Order product name	CorePro LEDtube UN 1200mm UO			
	15.5W830 T8			
Order code	929003648102			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	20			
Material Nr. (12NC)	929003648102			
Full product name	CorePro LEDtube UN 1200mm UO			
	15.5W830 T8			
EAN/UPC - Case	8720169199972			
EAN/UPC - Product/Case	8720169199965			

Dimensional drawing

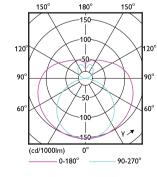


Product	D1	D2	A1	A2	А3
CorePro LEDtube UN 1200mm UO	26 mm	28 mm	1,199 mm	1,205 mm	1,213 mm
15.5W830 T8					

Photometric data





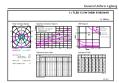


Spectral Power Distribution Colour - CorePro LEDtube UN 1200mm UO 15.5W830 T8

Light Distribution Diagram - CorePro LEDtube UN 1200mm UO 15.5W830 T8

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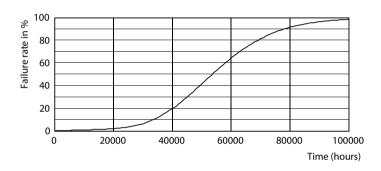
Photometric data

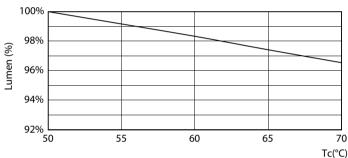


Calculus Photometrics 4.5 Philips Lighting SLV. Pages 19

General uniform lighting - CorePro LEDtube UN 1200mm UO 15.5W830 T8

Lifetime





Life Expectancy Diagram - CorePro LEDtube UN 1200mm UO 15.5W830 T8

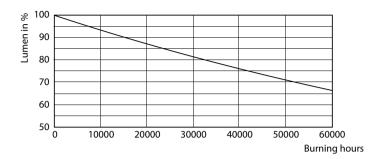
Lumen Maintenance Diagram - CorePro LEDtube UN 1200mm UO 15.5W830 T8

Life Expectancy Diagram - CorePro LEDtube UN 1200mm UO 15.5W830 T8

Life Expectancy Diagram - CorePro LEDtube UN 1200mm UO 15.5W830 T8

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Lifetime



Lumen Maintenance Diagram - CorePro LEDtube UN 1200mm UO 15.5W830 T8



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