



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		Color rendering index (CRI)	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]		80
Nominal lifetime	50,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	50,000	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Lighting Technology	LED	Stroboscopic effect visibility measure (SVM)	0.4
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG0
CE mark	Yes		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Color Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	240 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	2,200 lm	Power Consumption	15.5 W
Color Designation	White (WH)	Lamp Current (Max)	75 mA
Correlated Color Temperature (Nom)	3000 K	Lamp Current (Min)	75 mA
Luminous Efficacy (rated) (Nom)	141 lm/W	Lamp Current (Nom)	75 mA
Color Consistency	<6	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9

CorePro LED tube Universal T8

Voltage (Nom)	220-240 V
Voltage (Nom)	220 V
LED alternative to fluorescent lamp power	36 W
Inrush current at mains	8.6
Max. lamp no. on MCB B type 10A – Mains	89
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	105
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	19
Max. lamp no. on MCB B type 16A – Mains	143
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	168
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	30
Ballast Compatibility	Universal

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	T8

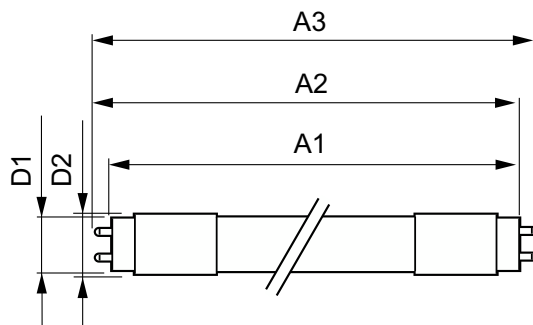
Approval and Application

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

Order product name	CorePro LEDtube UN 1200mm UO 15.5W830 T8
Full product name	CorePro LEDtube UN 1200mm UO 15.5W830 T8
Full product code	872016919996500
Order code	929003648102
Material Nr. (12NC)	929003648102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169199965
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169199972

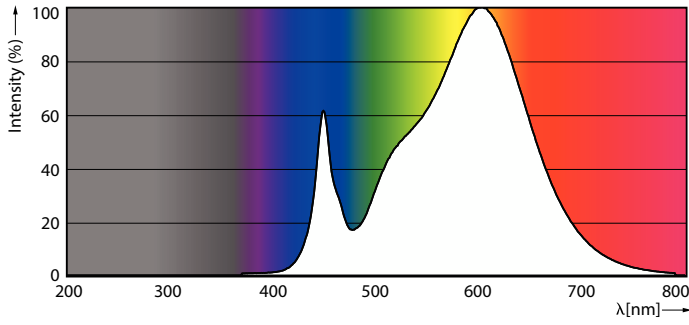
Dimensional drawing



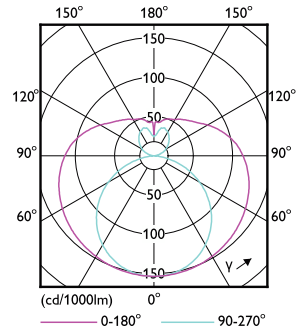
Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 1200mm UO 15.5W830 T8	26 mm	28 mm	1,199 mm	1,205 mm	1,213 mm

CorePro LED tube Universal T8

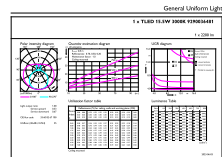
Photometric data



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



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

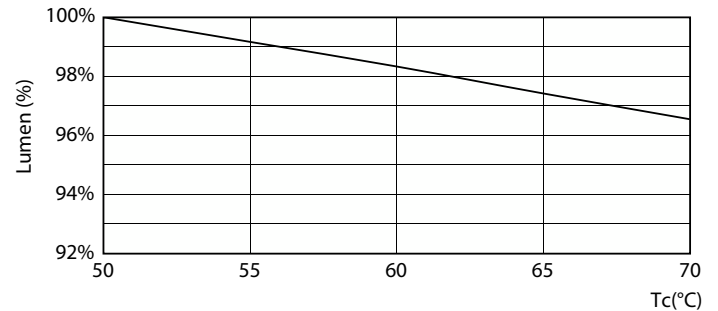


General Uniform Lighting - CorePro LEDtube UN 1200mm UO 15.5W830 T8

Lifetime



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



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

CorePro LED tube Universal T8

Lifetime



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

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



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

