



CorePro LED tube Universal T8



CorePro LEDtube UN 1500mm HO 23W865 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	865 [CCT of 6500K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,700 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	117 lm/W
Color Consistency	<6

Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.9
Photobiological safety according to EN 62471	RG0
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	23 W
Lamp Current (Nom)	130 mA
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
LED alternative to fluorescent lamp power	58 W

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Inrush current at mains	9.6
Max. lamp no. on MCB B type 10A – Mains	80
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	80
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	16
Max. lamp no. on MCB B type 16A – Mains	128
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	128
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	25
Ballast Compatibility	Universal

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm

Bulb Shape	T8
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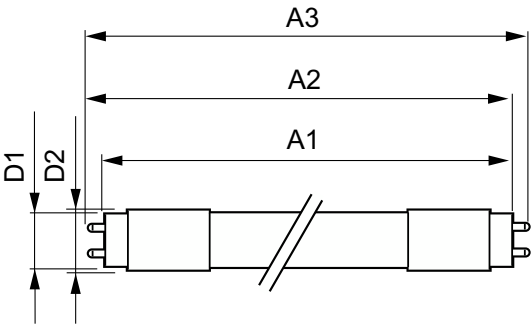
Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	23 kWh
EPREL Registration Number	1315792

Product Data

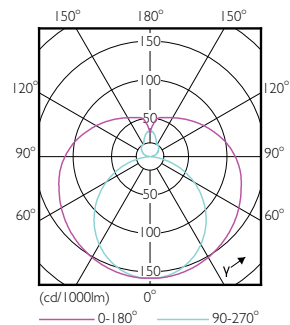
Order product name	CorePro LEDtube UN 1500mm HO 23W865 T8
Full product name	CorePro LEDtube UN 1500mm HO 23W865 T8
Full product code	871869680176500
Order code	929001869702
Material Nr. (12NC)	929001869702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696801765
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696801772

Dimensional drawing

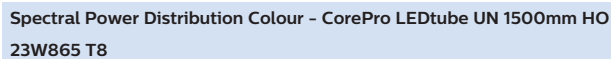


Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 1500mm HO 23W865 T8	27.9 mm	28 mm	1,500 mm	1,505.9 mm	1,514.2 mm

Photometric data



Light Distribution Diagram



The graph shows the failure rate as a percentage of the total population over time. The x-axis represents time in hours, ranging from 0 to 100,000. The y-axis represents the failure rate in percent, ranging from 0 to 100. The curve starts at (0,0) and remains near zero until approximately 20,000 hours. After this point, the failure rate increases rapidly, passing 50% at approximately 50,000 hours, and reaching 100% at 100,000 hours.

Time (hours)	Failure rate in %
0	0
20000	~2
40000	~20
60000	~65
80000	~95
100000	100

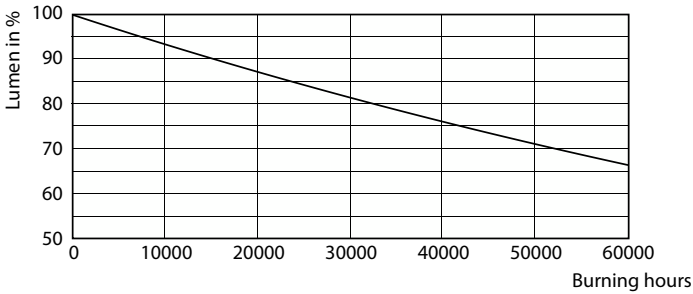
Life Expectancy Diagram - CorePro LEDtube UN 1500mm HO 23W865 T8

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Lifetime



Life Expectancy Diagram - CorePro LEDtube UN 1500mm HO 23W865 T8



Life Expectancy Diagram - CorePro LEDtube UN 1500mm HO 23W865 T8

Lumen Maintenance Diagram - CorePro LEDtube UN 1500mm HO 23W865 T8

