

CorePro LED tube Universal T8



CorePro LEDtube UN 600mm HO 8W865 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		Photobiological safety according to EN 62471	
Cap-Base	G13		RG0
Nominal lifetime	50,000 hour(s)	Operating and Electrical	
Switching Cycle	50,000	Line Frequency	50 to 60 Hz
Lighting Technology	LED	Input Frequency	50 to 60 Hz
Flux measurement reference	Sphere	Power Consumption	8 W
Light Technical		Lamp Current (Nom)	40 mA
Color Code	865 [CCT of 6500K]	Starting Time (Nom)	0.5 s
Beam Angle (Nom)	240 degree(s)	Warm-up time to 60% light	0.5 s
Luminous Flux	900 lm	Power Factor (Fraction)	0.9
Color Designation	Cool Daylight	Voltage (Nom)	220-240 V
Correlated Color Temperature (Nom)	6500 K	Ballast Compatibility	Universal
Luminous Efficacy (rated) (Nom)	112 lm/W	LED alternative to fluorescent lamp power	18 W
Color Consistency	<6	Inrush current at mains	4.4
Color rendering index (CRI)	80	Max. lamp no. on MCB B type 10A - Mains	176
LLMF At End Of Nominal Lifetime (Nom)	70 %	Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	242

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Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	20
Max. lamp no. on MCB B type 16A – Mains	281
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	388
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	35

Temperature

T-Case Maximum (Nom)	45 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T8
Net Weight (Piece)	0.110 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1936626
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

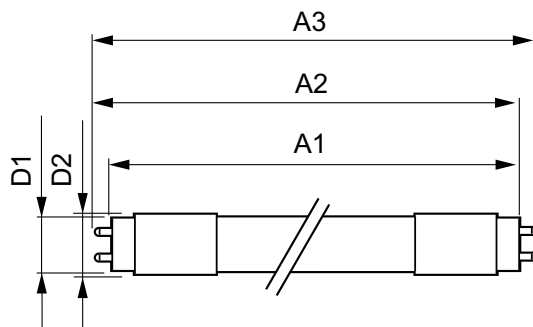
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	CorePro LEDtube UN 600mm HO 8W865 T8
Full product name	CorePro LEDtube UN 600mm HO 8W865 T8
Full product code	871869978281800
Order code	929002420002
Material Nr. (12NC)	929002420002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699782818
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699782825

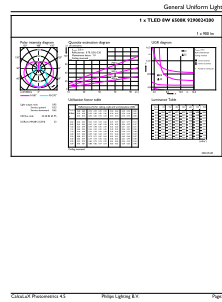
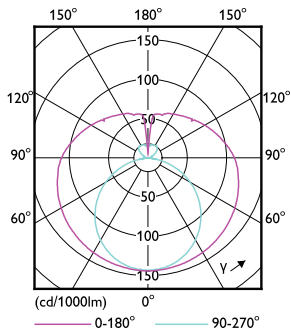
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 600mm HO 8W865 T8	25.7 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

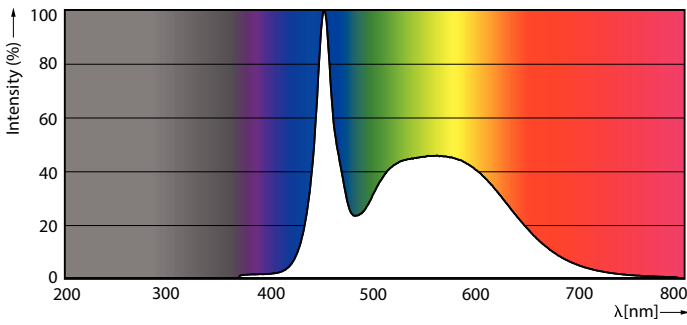
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Photometric data



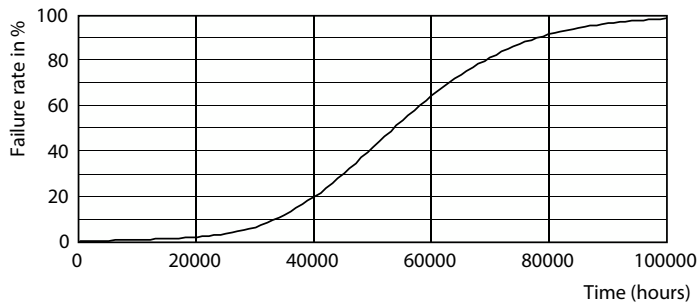
Light Distribution Diagram - CorePro LEDtube UN 600mm HO 8W865 T8

General uniform lighting - CorePro LEDtube UN 600mm HO 8W865 T8

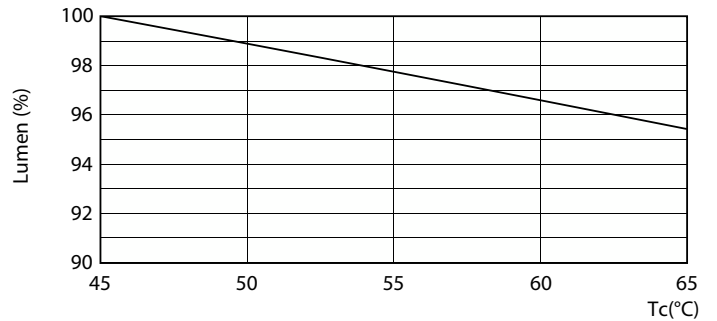


Spectral Power Distribution Colour - CorePro LEDtube UN 600mm HO 8W865 T8

Lifetime



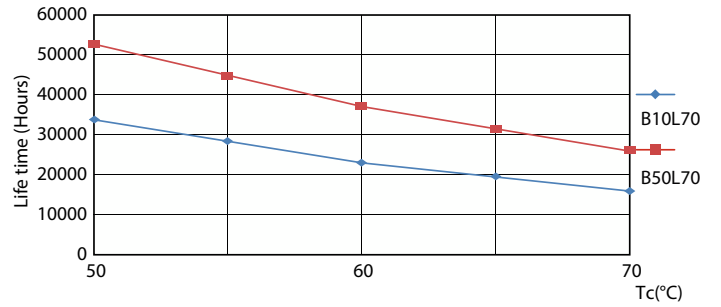
Life Expectancy Diagram



Lumen Maintenance Diagram - CorePro LEDtube UN 600mm HO 8W865 T8

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Lifetime



FailureRate

LifetimeVsTc



Lumen Maintenance Diagram - CorePro LEDtube UN 600mm HO 8W865 T8

