



CorePro LED tube Universal T8



CorePro LEDtube UN 600mm HO 8W865 T8

CorePro, LEDtube, T8, Universal, 600 mm, 8 W, 18W TL-D, 6500 K, 900 lm, CRI 80, 50000 h

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		Correlated Colour Temperature (Nom)	
Cap base	G13	Correlated Colour Temperature (Nom)	6500 K
Nominal lifetime	50,000 h	Luminous efficacy (rated) (nom.)	112 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LEDtube	Colour rendering index (CRI)	80
Flux measurement reference	Sphere	LLMF at end of nominal lifetime (nom.)	70 %
Warranty period	3 years	Photobiological safety according to EN 62471	RG0
Light Technical		Operating and Electrical	
Colour Code	865 [CCT of 6500K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	240 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	900 lm	Power Consumption	8 W
Colour designation	Cool Daylight	Lamp current (nom.)	40 mA
		Starting time (nom.)	0.5 s

CorePro LED tube Universal T8

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	18W TL-D
Inrush current at mains	4.4
Max. lamp no. on MCB B type 10A – Mains	176
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	242
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
Ballast Compatibility	Universal

Temperature

T-Case maximum (nom.)	45 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp 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/1,000 hours	8 kWh
EPREL Registration Number	1936626
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

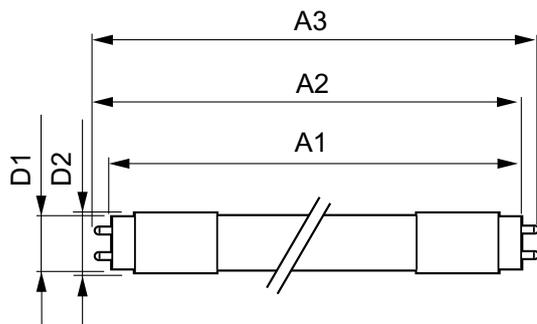
Application Conditions

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 EOC	871869978281800
Order code	929002420002
Material no. (12 NC)	929002420002
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699782818
Numerator – packs per outer box	10
EAN/UPC – Case	8718699782825

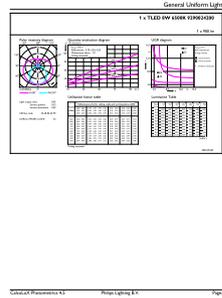
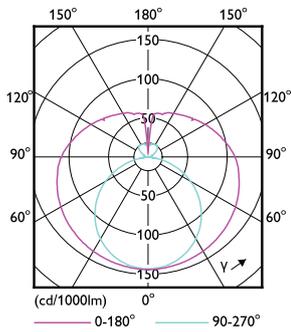
Dimensional drawing



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

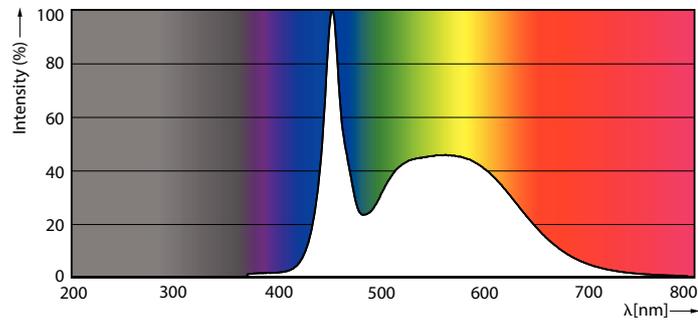
CorePro LED tube Universal T8

Photometric data



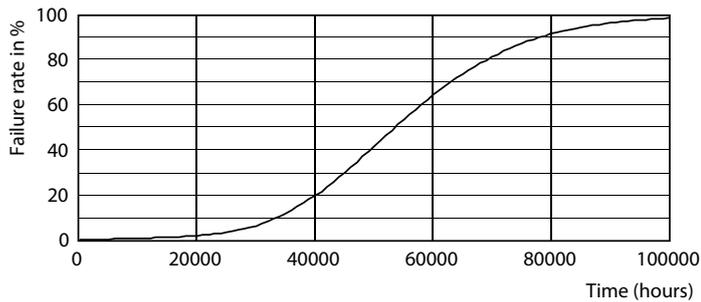
Light Distribution Diagram - CorePro LEDtube UN 600mm HO 8W865 T8

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

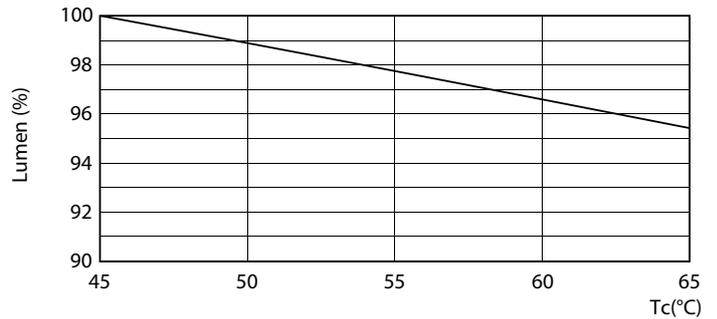


Spectral Power Distribution Colour - CorePro LEDtube UN 600mm HO 8W865 T8

Lifetime



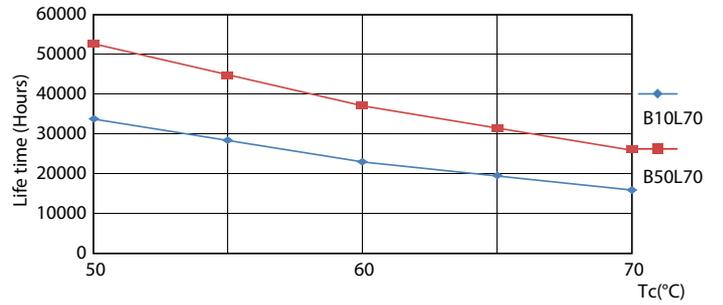
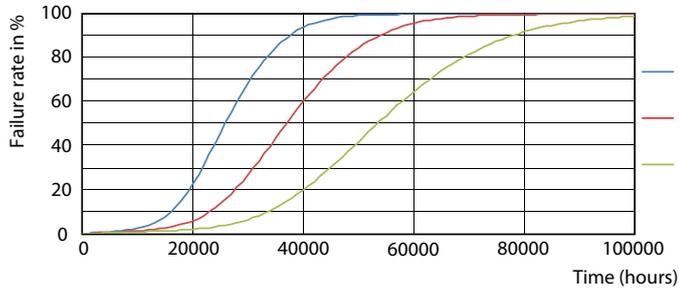
Life Expectancy Diagram



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

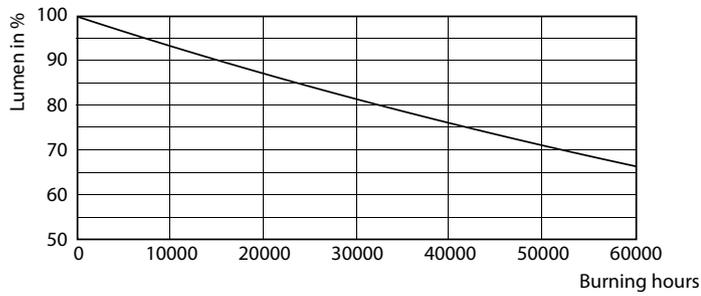
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Lifetime



FailureRate

LifetimeVsTc



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

