



CorePro LED tube Universal T8



CorePro LEDtube UN 600mm HO 8W840 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)		
Switching Cycle	50,000		
Lighting Technology	LED		
Flux measurement reference	Sphere		
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	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
Color Designation	Cool White (CW)	Lamp Current (Nom)	40 mA
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.5 s
Luminous Efficacy (rated) (Nom)	112 lm/W	Warm-up time to 60% light	0.5 s
Color Consistency	<6	Power Factor (Fraction)	0.9
Color rendering index (CRI)	80	Voltage (Nom)	220-240 V
LLMF At End Of Nominal Lifetime (Nom)	70 %	LED alternative to fluorescent lamp power	18 W
		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

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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
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

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	1932580
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

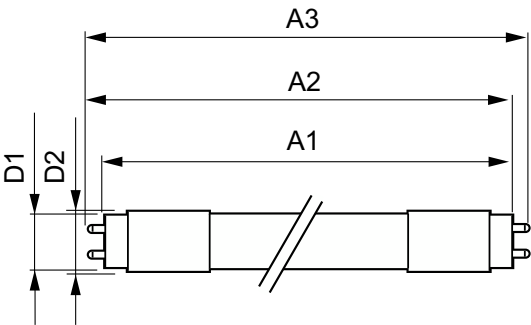
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	CorePro LEDtube UN 600mm HO 8W840 T8
Full product name	CorePro LEDtube UN 600mm HO 8W840 T8
Full product code	871869978279500
Order code	929002419902
Material Nr. (12NC)	929002419902
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699782795
Numerator – Packs per outer box	10
EAN/UPC – Case	8718699782801

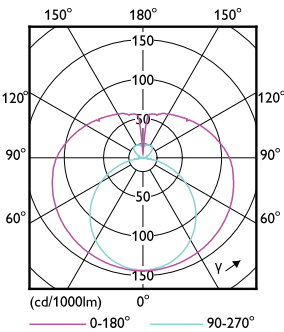
Dimensional drawing



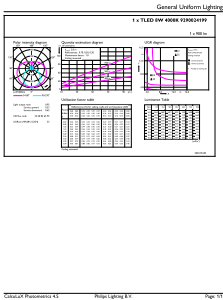
Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 600mm HO 8W840 T8	25.7 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

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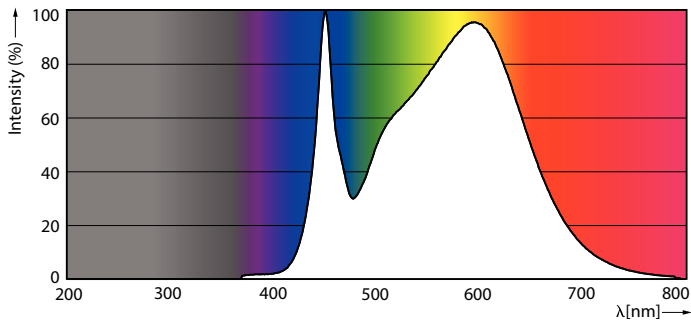
Photometric data



Light Distribution Diagram - CorePro LEDtube UN 600mm HO 8W840 T8

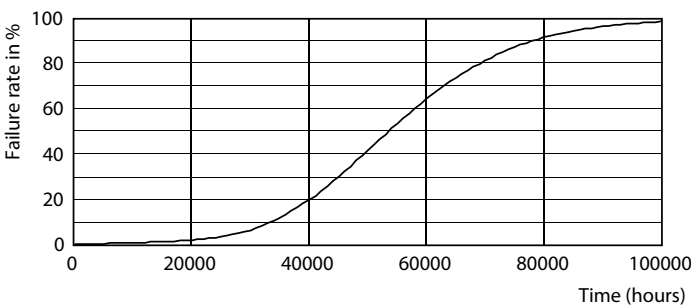


General uniform lighting - CorePro LEDtube UN 600mm HO 8W840 T8

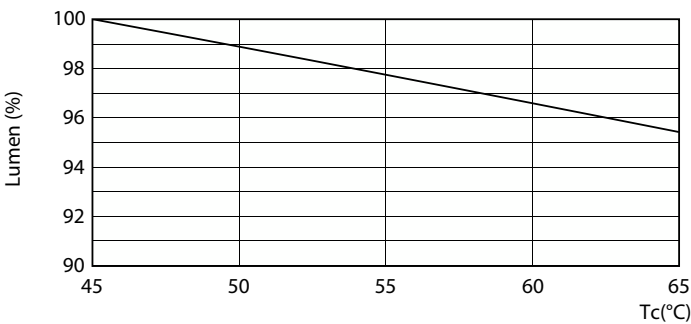


Spectral Power Distribution Colour - CorePro LEDtube UN 600mm HO 8W840 T8

Lifetime



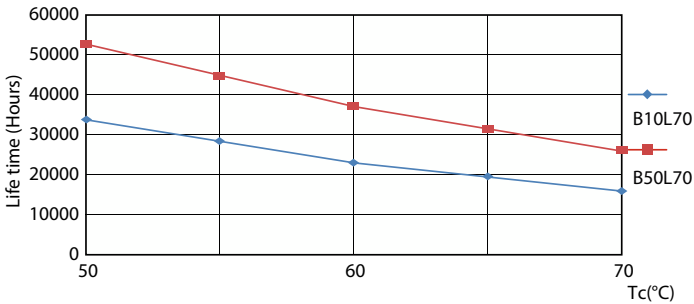
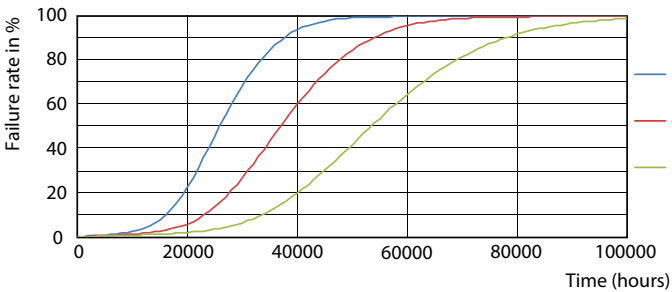
Life Expectancy Diagram



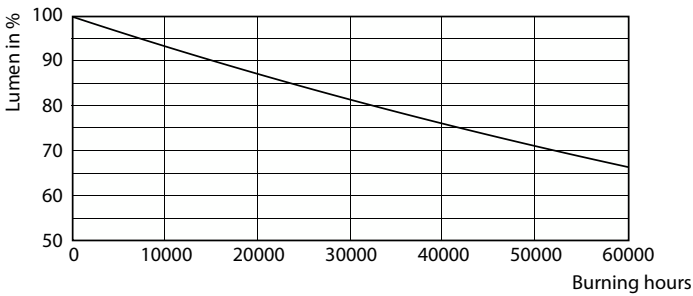
Lumen Maintenance Diagram - CorePro LEDtube UN 600mm HO 8W840 T8

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Lifetime



FailureRate



LifetimeVsTc

Lumen Maintenance Diagram - CorePro LEDtube UN 600mm HO 8W840 T8

