



CorePro LED tube Universal T8



CorePro LEDtube UN 600mm HO 8W830 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 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	240 degree(s)
Luminous Flux	850 lm
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	106.00 lm/W
Colour consistency	<6

Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	1
Stroboscopic effect	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	8 W
Lamp current (nom.)	40 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	18 W
Max. lamp no. on MCB B type 10A — Mains	176

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Max. lamp no. on MCB B type 10A — EM ballast without Comp. Cap.	242
Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	20
Max. lamp no. on MCB B type 16A — Mains	281
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	388
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	35

Temperature

Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	45 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	600 mm

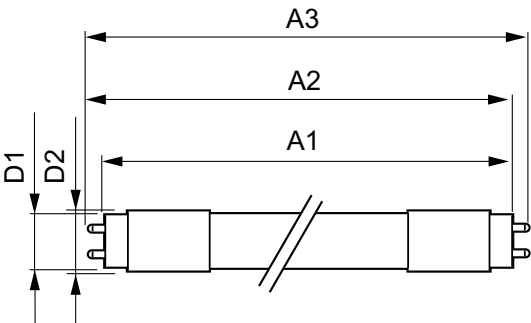
Approval and Application

Energy Efficiency Class	F
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	8 kWh
EPREL registration number	1315793

Product Data

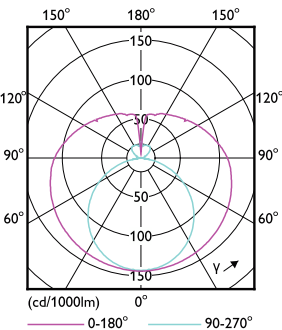
Order product name	CorePro LEDtube UN 600mm HO 8W830 T8
Full product name	CorePro LEDtube UN 600mm HO 8W830 T8
Full EOC	871869978277100
Order code	929002419802
Material no. (12 NC)	929002419802
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699782771
Numerator – packs per outer box	10
EAN/UPC - Case	8718699782788

Dimensional drawing

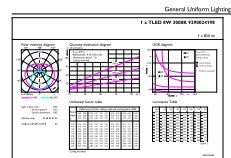


Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 600mm HO 8W830 T8	25.7 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

Photometric data



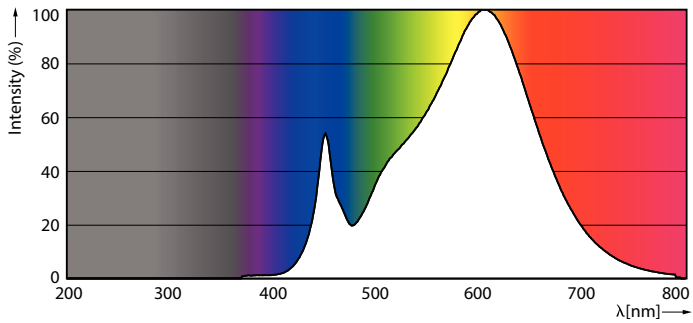
Light Distribution Diagram



General uniform lighting - CorePro LEDtube UN 600mm HO 8W830 T8

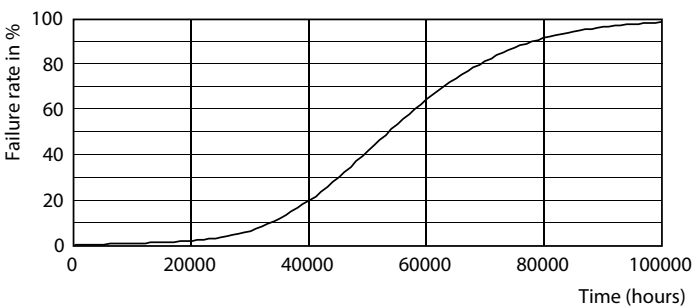
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Photometric data

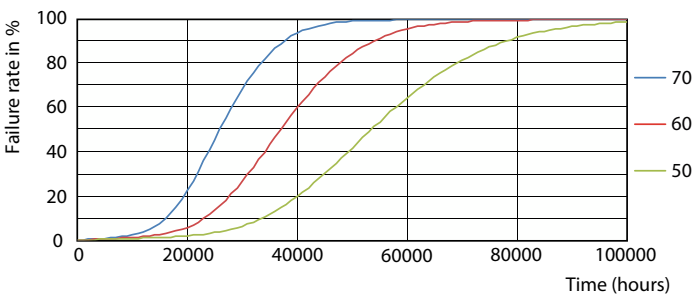


Spectral Power Distribution Colour - CorePro LEDtube UN 600mm HO 8W830 T8

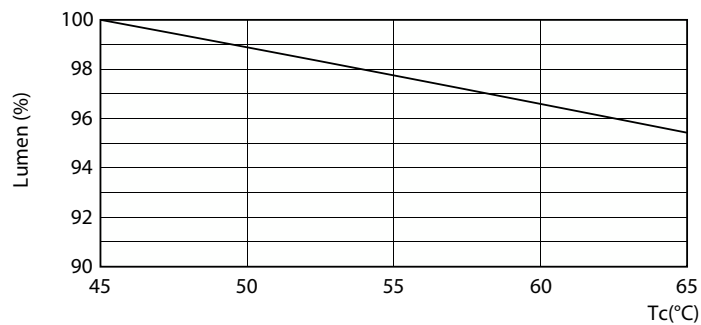
Lifetime



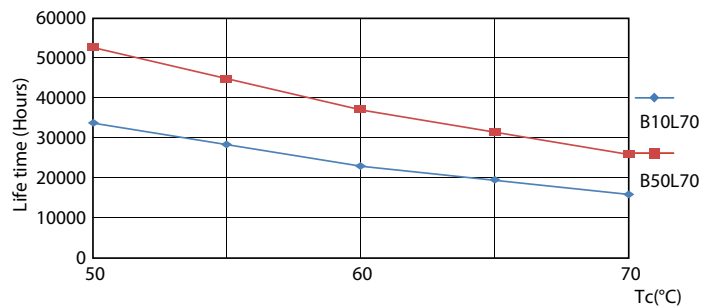
Life Expectancy Diagram - CorePro LEDtube UN 600mm HO 8W830 T8



Life Expectancy Diagram - CorePro LEDtube UN 600mm HO 8W830 T8



Lumen Maintenance Diagram



Life Expectancy Diagram - CorePro LEDtube UN 600mm HO 8W830 T8

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Lifetime



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