



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		Colour rendering index (CRI)	
Cap base	G13 [Medium Bi-Pin Fluorescent]		80
Nominal lifetime	50,000 h	LLMF at end of nominal lifetime (nom.)	70 %
Switching Cycle	50,000	Flickering value (PstLM)	1
Lighting Technology	LED	Stroboscopic effect	0.9
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RGO
CE mark	Yes	Operating and Electrical	
EU RoHS compliant	Yes	Line Frequency	50 to 60 Hz
Light Technical		Input frequency	50 to 60 Hz
Colour Code	865 [CCT of 6500K]	Power Consumption	8 W
Beam angle (nom.)	240 degree(s)	Lamp current (nom.)	40 mA
Luminous Flux	900 lm	Starting time (nom.)	0.5 s
Colour designation	Cool Daylight	Warm-up time to 60% light	0.5 s
Correlated Colour Temperature	6500 K	Power Factor (Fraction)	0.9
Luminous efficacy (rated) (nom.)	112 lm/W	Voltage (nom.)	220-240 V
Colour consistency	<6	LED alternative to fluorescent lamp power	18 W

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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
Bulb shape	Tube, double-ended

Approval and Application

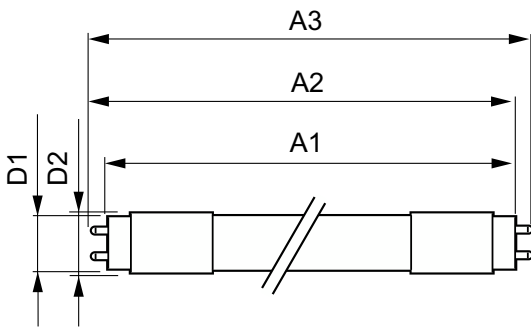
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	8 kWh
EPREL registration number	1315795

Product Data

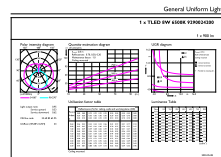
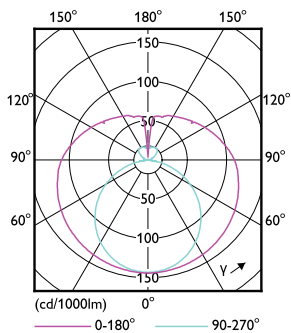
Full EOC	871869978281800
Order product name	CorePro LEDtube UN 600mm HO 8W865 T8
Order code	78281800
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material no. (12 NC)	929002420002
Full product name	CorePro LEDtube UN 600mm HO 8W865 T8
EAN/UPC – Case	8718699782825
EAN/UPC – Product/Case	8718699782818

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

Photometric data

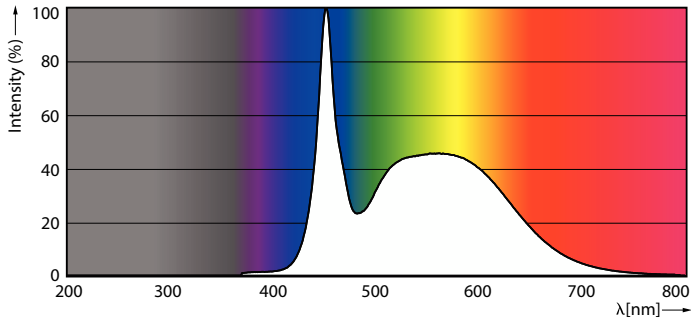


Light Distribution Diagram

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

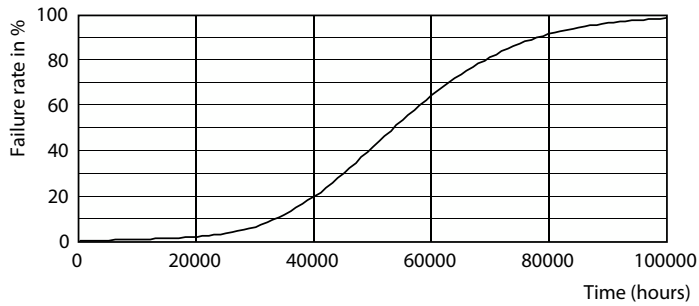
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Photometric data

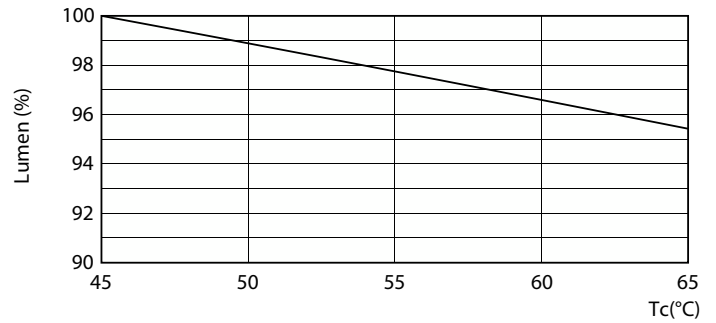


Spectral Power Distribution Colour - CorePro LEDtube UN 600mm HO 8W865 T8

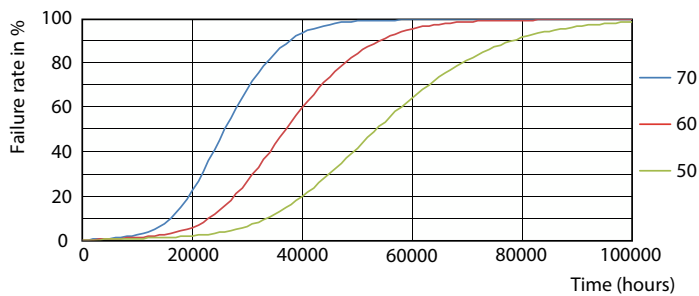
Lifetime



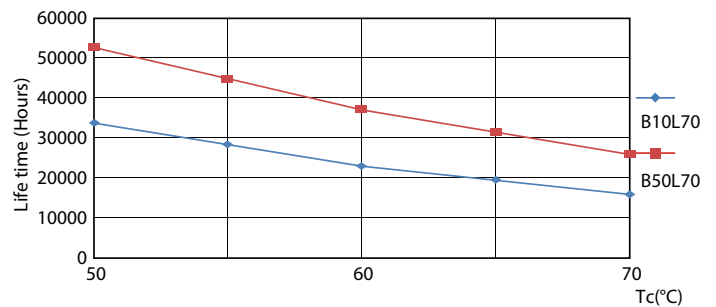
Life Expectancy Diagram - CorePro LEDtube UN 600mm HO 8W865 T8



Lumen Maintenance Diagram



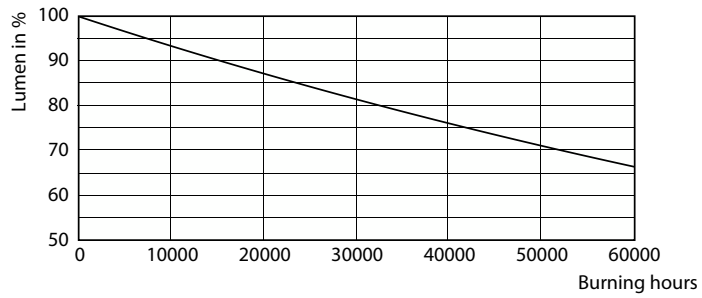
Life Expectancy Diagram - CorePro LEDtube UN 600mm HO 8W865 T8



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Lifetime



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

