PHILIPS

Lighting



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 can forget about the driver technology. Thanks to a unique design, the Philips CorePro LEDtube Universal T8 directly fits into luminaires operating either on Electro Magnetic ballasts, HF Electronic ballasts or mains power connections. So simple to operate and no need to carry double stock of products! Perfectly safe, reliable and easy to install, the Philips CorePro LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to save energy and reduce investment.

Product data

General Information	
Cap base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	30000 h
Switching cycle	50,000X
Technical type	8-18W

Light Technical	
Colour Code	865 [CCT of 6,500 K]
Beam Angle (Nom)	240 °
Luminous flux (nom.)	900 lm
Colour designation	Cool Daylight
Correlated Colour Temperature (Nom)	6500 K
Luminous efficacy (rated) (nom.)	112.00 lm/W
Colour consistency	<6
Colour rendering index (nom.)	83
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	8 W
Lamp current (nom.)	40 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	220-240 V

Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C
T-Case maximum (nom.)	65 °C

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Controls and Dimming	
Dimmable	No

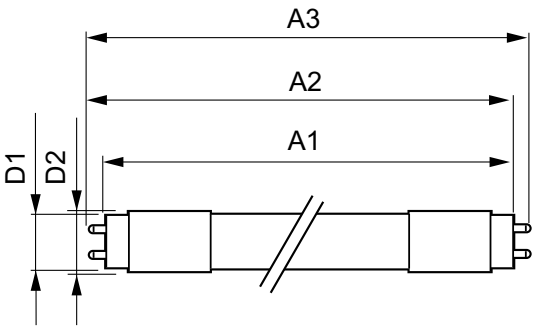
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Glass
Product length	600 mm

Approval and Application	
Energy efficiency label (EEL)	A+
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	8 kWh

Product Data	
Full product code	871869978281800
Order product name	CorePro LEDtube UN 600mm HO 8W865 T8
EAN/UPC – product	8718699782818
Order code	78281800
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002420002
SAP net weight (piece)	0.121 kg

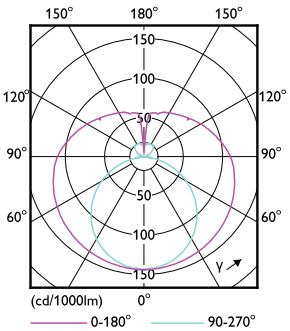
Dimensional drawing



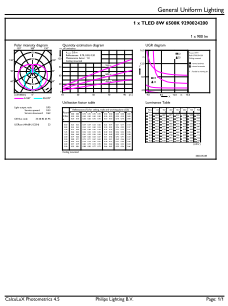
TLED 2ft 220-240V 8-18W 900lm 6500K G13

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



LEDtube 8W G13 900lm



LEDtube 8W G13 900lm 865

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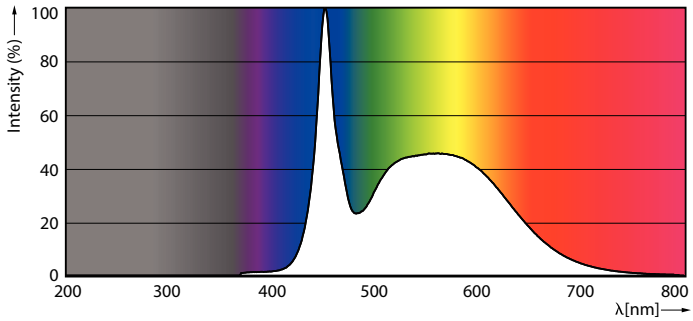
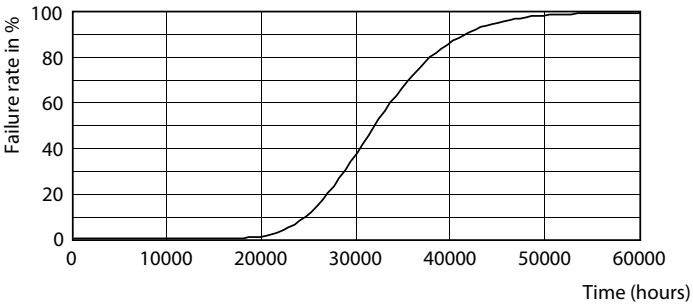
Photometric data

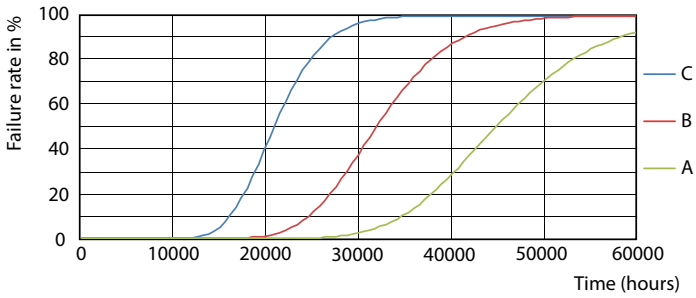


LEDtube 8W G13 900lm 865

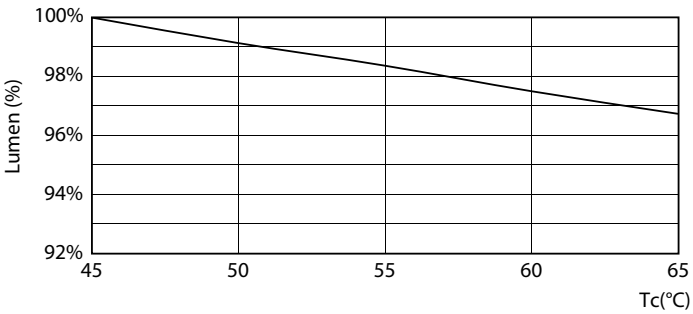
Lifetime



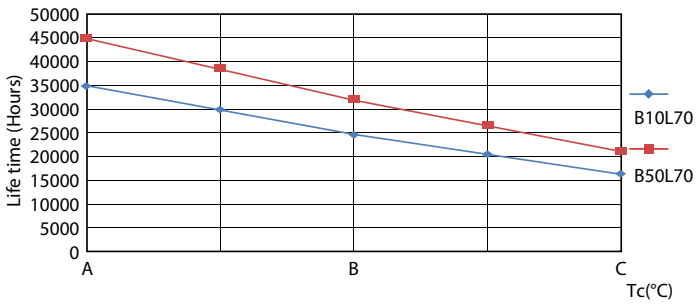
LEDtube 30K



LEDtube 30K FailureRate



LEDtube 30K LumenVsTc



LEDtube 30K LifetimeVsTc

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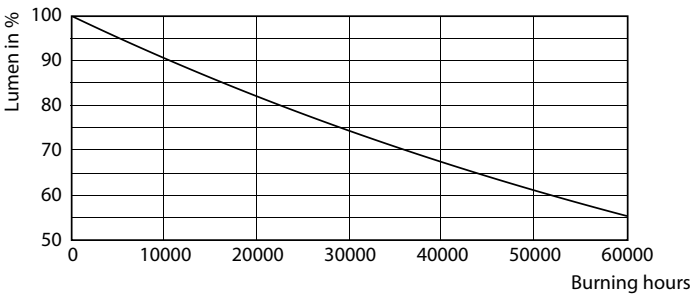
Lifetime



LEDtube 30K

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