PHILIPS

Lighting

CorePro LED tube EM/ Mains T8

CorePro LEDtube 600mm 8W 865 T8 AP I

CorePro, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 8 W, 18W TL-D, 6500 K, 800 lm, 50000 hour(s)

CorePro, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 8 W, LED alternative to 18W TL-D, 6500 K, 800 lm, 50000 hour(s), 100 lm/W, G13, Beam angle 240 degree(s), Glass, RG0

Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.
- Installation must be done according to the installation diagrams provided with the lamp or available online. Installation must be done by a certified professional.

Product data

General Information	
Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	800 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K

Luminous Efficacy (rated) (Nom)	100 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	8 W
Lamp Current (Nom)	46 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	18W TL-D
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	50 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T8
Net Weight (Piece)	0.120 kg

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate

EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

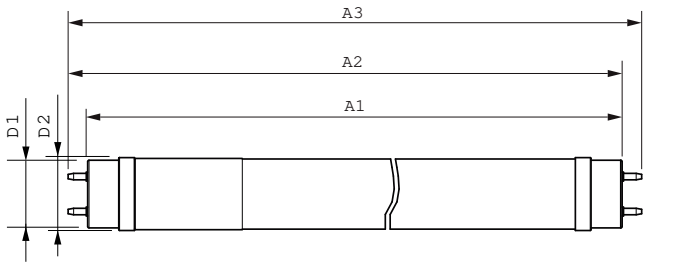
Application Conditions

Wireless Technology	Not applicable

Product Data

Order product name	CorePro LEDtube 600mm 8W 865 T8 AP I
Full product name	CorePro LEDtube 600mm 8W 865 T8 AP I
Full product code	872016927704500
Order code	929003547308
Material Nr. (12NC)	929003547308
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169277045
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169277052

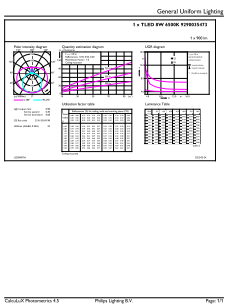
Dimensional drawing



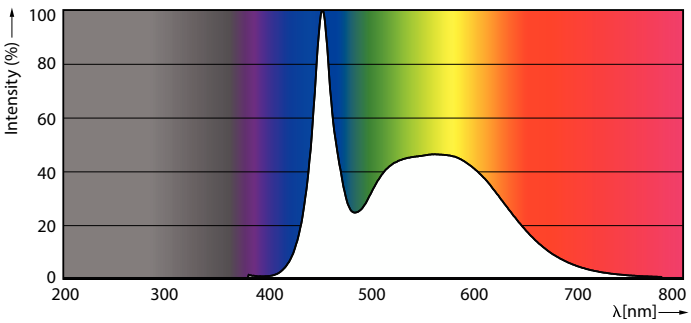
D1	D2	A1	A2	A3
25.7mm	28mm	588.5mm	595.5mm	602.5mm

Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm 8W 865 T8 AP I	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

Photometric data



General uniform lighting - CorePro LEDtube 600mm 8W 865 T8 AP I



Spectral Power Distribution Colour - CorePro LEDtube 600mm 8W 865 T8 AP I

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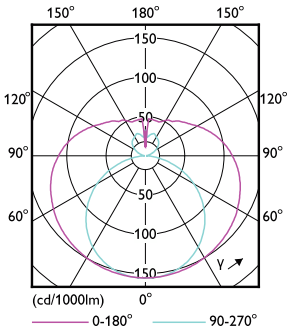
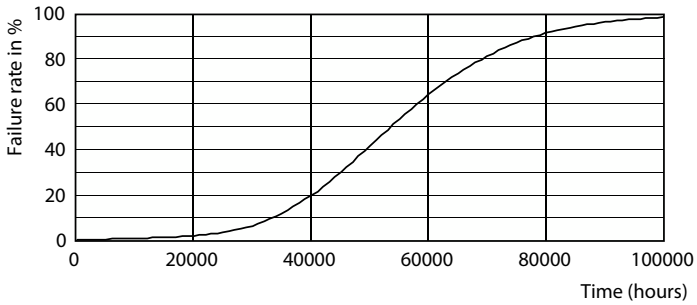
Photometric data

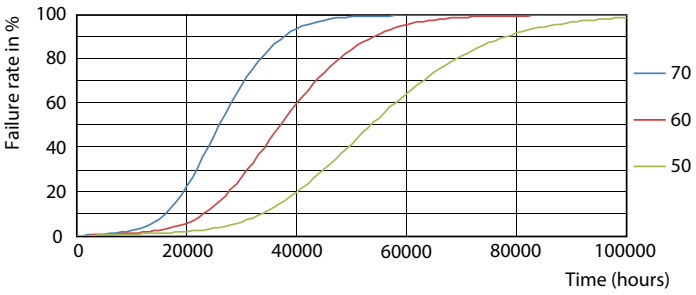


Light Distribution Diagram - CorePro LEDtube 600mm 8W 865 T8 AP I

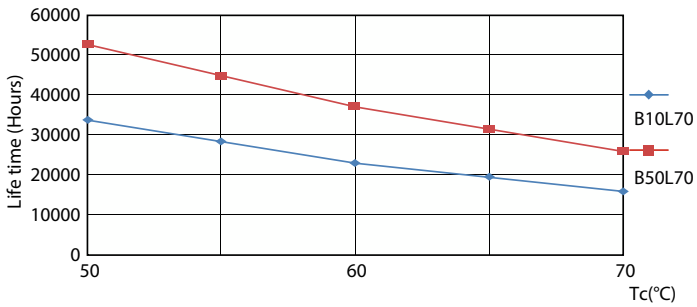
Lifetime



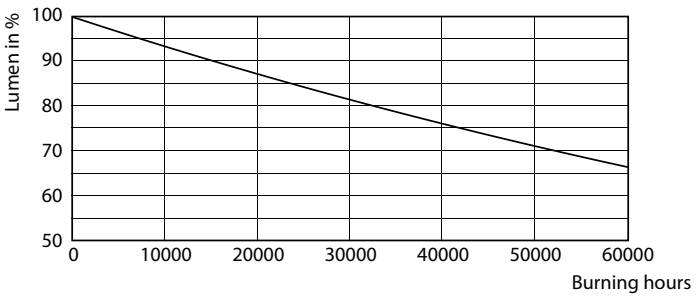
Life Expectancy Diagram



FailureRate



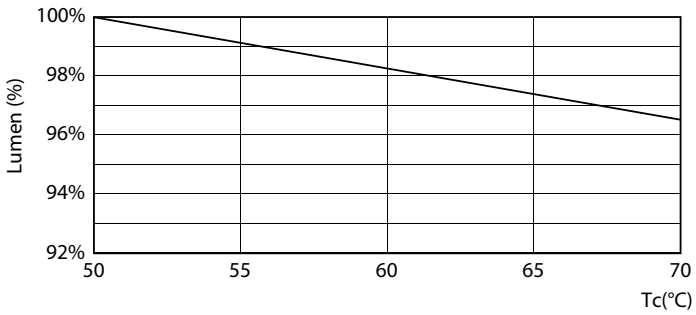
LifetimeVsTc



Lumen Maintenance Diagram - CorePro LEDtube 600mm 8W 865 T8 AP I

CorePro LED tube EM/Mains T8

Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 600mm 8W 865 T8 AP I

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