PHILIPS

CorePro LEDtube 600mm 8W 840 T8

929003547202



CorePro, LEDtube, T8, EM/Mains, 600 mm, 8 W, 18W TL-D, 4000 K, 800 lm, CRI 80, 50000 hour(s)



CorePro, LEDtube, T8, EM/Mains, 600 mm, 8 W, LED alternative to 18W TL-D, 4000 K, 800 lm, CRI 80, 50000 hour(s), 100 lm/W, EEL F, G13, Beam angle 240 degree(s), Glass, 600 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

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.

General Information

Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	3 years

Correlated Color Temperature (Nom)	4000 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

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	800 lm
Color Designation	Cool White (CW)

Operating and Electrical

Line Frequency	50 to 60 Hz
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
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	18W TL-D
Inrush current at mains	4.27
Max. lamp no. on MCB B type 10A - Mains	119
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	154
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	24
Max. lamp no. on MCB B type 16A - Mains	191
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	246
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	39
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 Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1827699
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

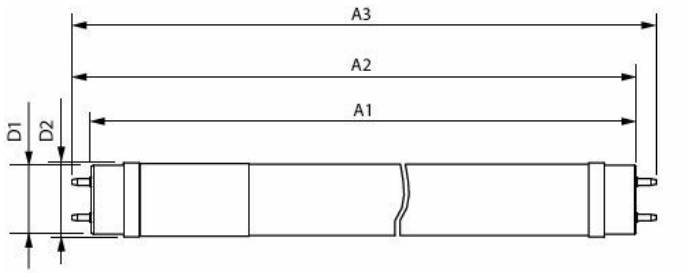
Application Conditions

can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

Product Data

Order product name	CorePro LEDtube 600mm 8W 840 T8
Full product name	CorePro LEDtube 600mm 8W 840 T8
Full product code	871951445977900
Order code	929003547202
Material Nr. (12NC)	929003547202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514459779
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514459786

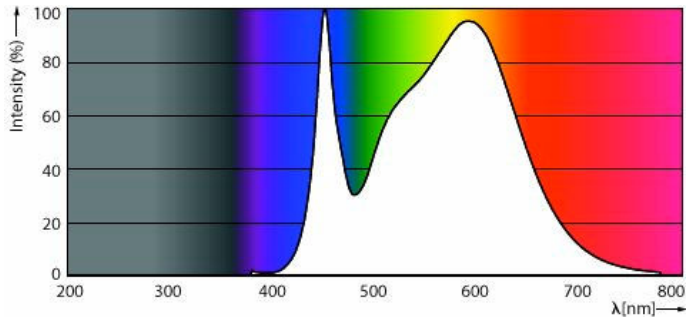
Dimensional drawing



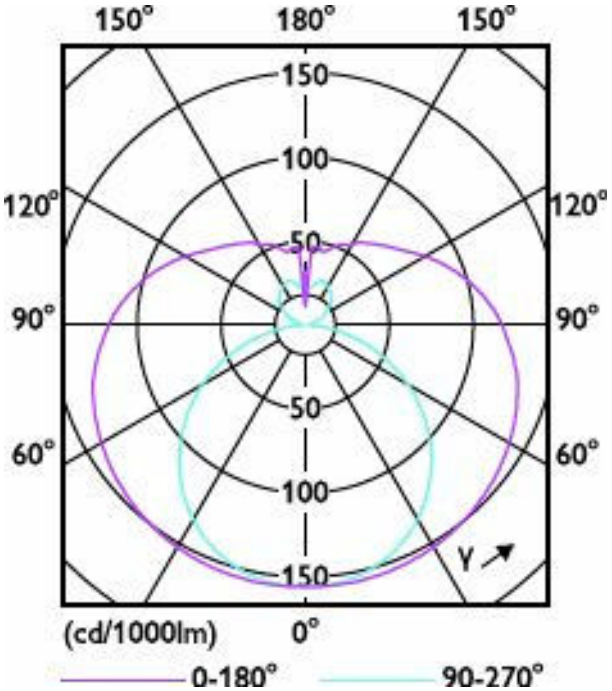
D1	D2	A1	A2	A3
25.7mm	28mm	588.5mm	595.5mm	602.5mm

Product
CorePro LEDtube 600mm 8W 840 T8

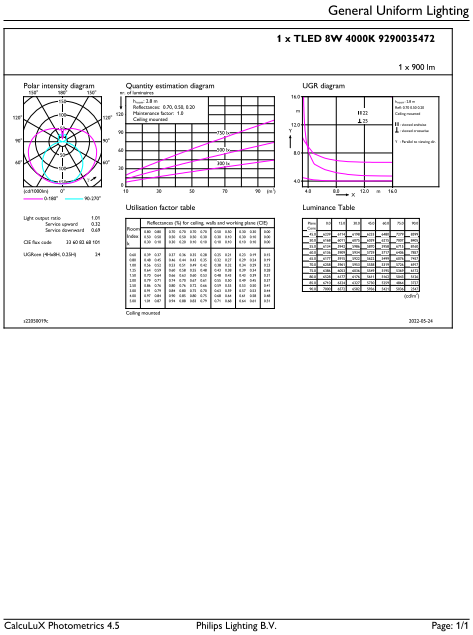
Photometric data



Spectral Power Distribution Colour - CorePro LEDtube 600mm 8W 840 T8

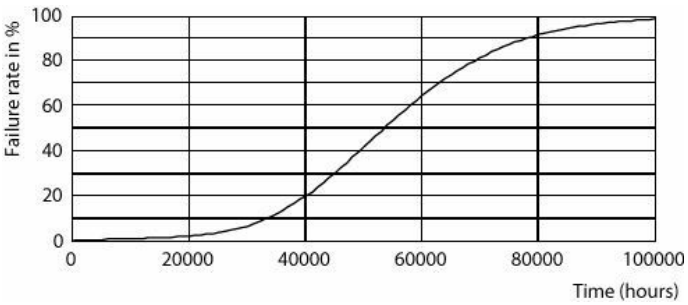


Light Distribution Diagram - CorePro LEDtube 600mm 8W 840 T8

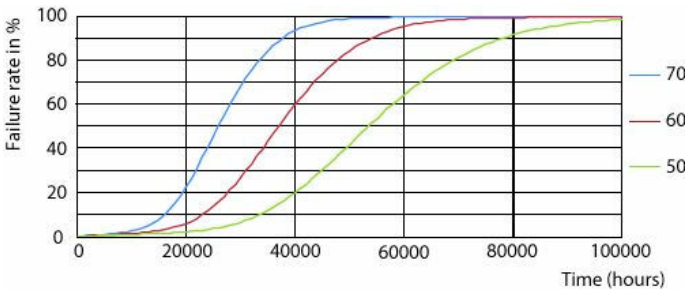


General uniform lighting - CorePro LEDtube 600mm 8W 840 T8

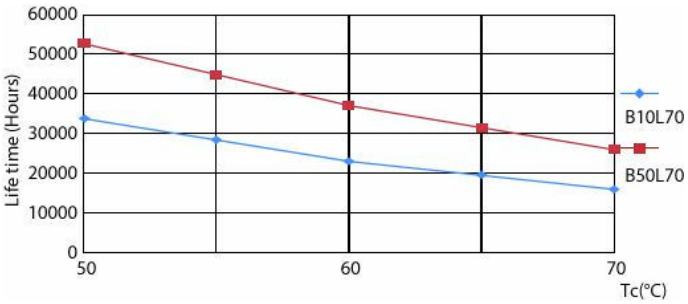
Lifetime



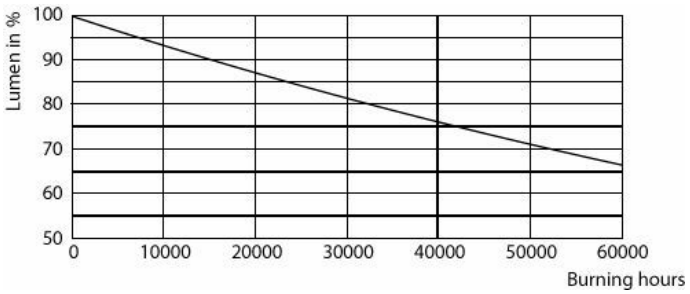
Life Expectancy Diagram



FailureRate



LifetimeVsTc



Lumen Maintenance Diagram - CorePro LEDtube 600mm 8W 840 T8

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	EPD-Philips-CorePro-LEDtube-EM-Mains-T8-COMF-1367-Ref-929003547202-EPD.pdf	Download
Installation Instructions	online-QIG-for-324166183191-Corepro-LEDtube-INI.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDtube_COR_EU2_8W_G13_800lm_840_2-IES.IES	Download

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