PHILIPS

CorePro LEDtube
1200mm UO 17.5W 3CCT
T8
929004320502







CorePro, LEDtube, T8, EM/Mains, 1200 mm, 17.5 W, 36W TL-D, 3000 K, 4000 K, 6500 K, 2250 lm, 2400 lm, 2400 lm, CRI 80, 50000 hour(s)



CorePro, LEDtube, T8, EM/Mains, 1200 mm, 17.5 W, LED alternative to 36W TL-D, 3000 K, 4000 K, 6500 K, 2250 lm, 2400 lm, 2400 lm, CRI 80, 50000 hour(s), 137 lm/W, EEL D, G13, Beam angle 240 degree(s), Glass, 0 %, 1200 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

Light Technical

Color Code	3000/4000/6500
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,250 lm
Color Designation	3000/4000/6500
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	137 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
All-in Type	All-in, Multi Color Temperature

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	17.5 W
Lamp Current (Nom)	100 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	36W TL-D
Inrush current at mains	7.3
Max. lamp no. on MCB B type 10A - Mains	70
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	80
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	26
Max. lamp no. on MCB B type 16A - Mains	111
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	128
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	42
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	55 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.190 kg

Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	2518890
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
Post-consumer recycled plastic material ratio	0 %

Application Conditions

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

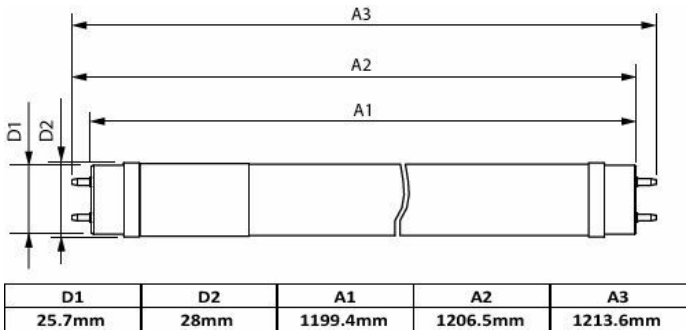
Sustainability Data

Product non-virgin material ratio	0 %

Product Data

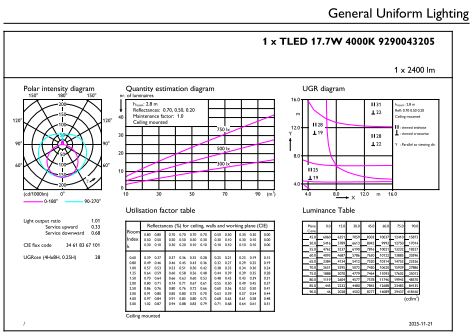
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Full product name	CorePro LEDtube 1200mm UO 17.5W 3CCT T8
Full product code	872110313949800
Order code	929004320502
Material Nr. (12NC)	929004320502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103139498
Numerator - Packs per outer box	20
EAN/UPC - Case	8721103139504

Dimensional drawing

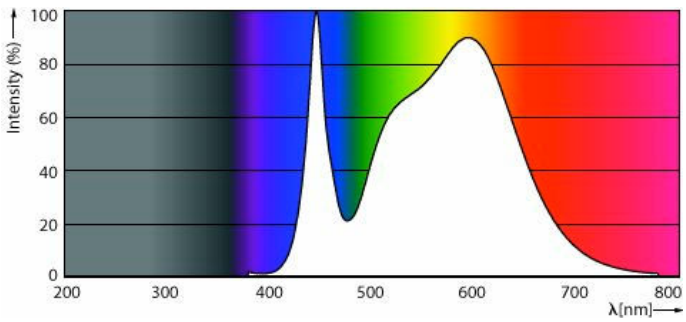


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm UO 17.5W 3CCT T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

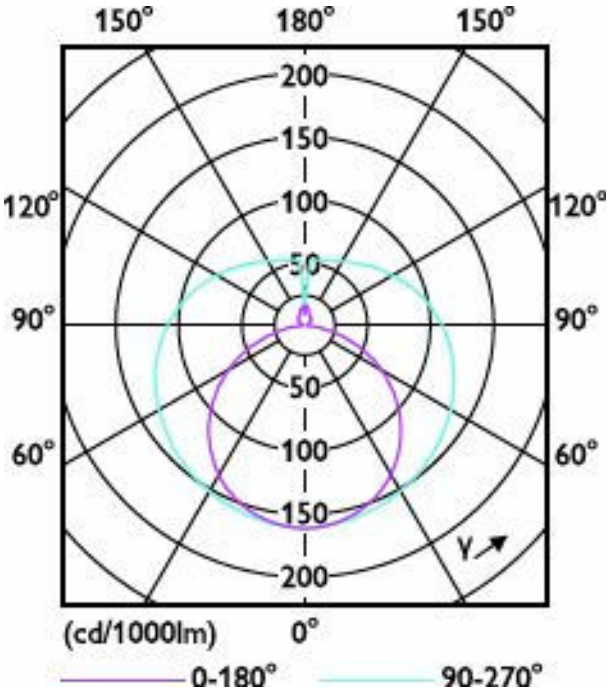
Photometric data



General uniform lighting - CorePro LEDtube 1200mm UO 17.5W 3CCT T8

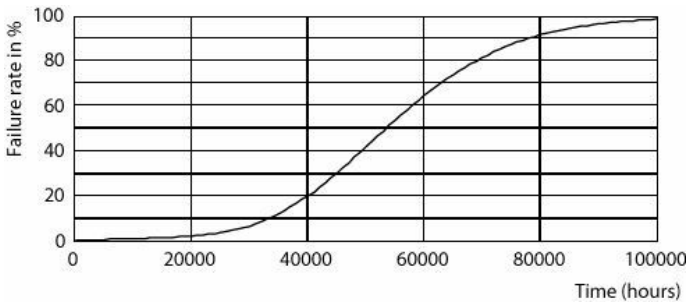


Spectral Power Distribution Colour - CorePro LEDtube 1200mm UO 17.5W 3CCT T8

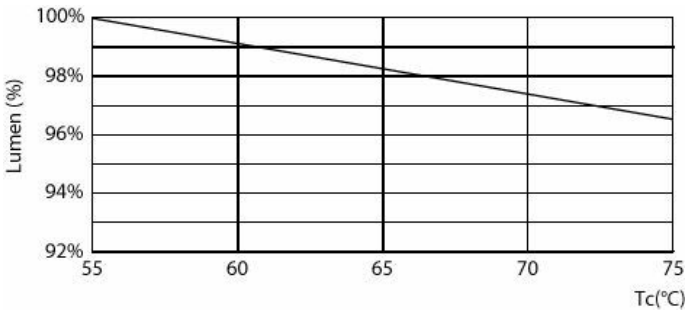


Light Distribution Diagram - CorePro LEDtube 1200mm UO 17.5W 3CCT T8

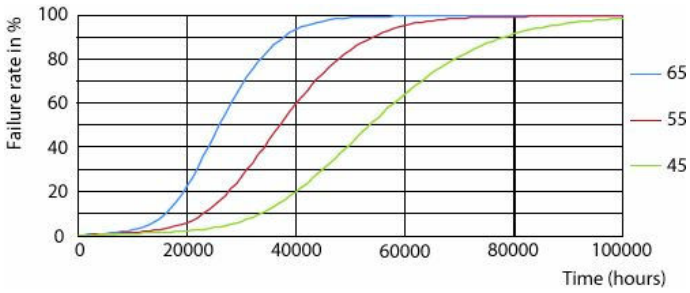
Lifetime



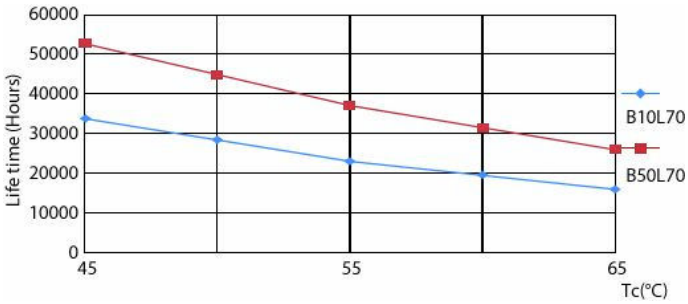
Life Expectancy Diagram



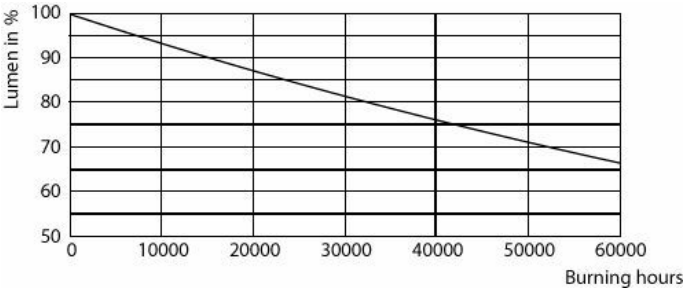
Lumen Maintenance Diagram - CorePro LEDtube 1200mm UO 17.5W 3CCT T8



FailureRate



LifetimeVsTc



Lumen Maintenance Diagram - CorePro LEDtube 1200mm UO 17.5W 3CCT T8

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	66357991-139078-LED-BULB-NDLR-QIG-INI.pdf	Download
Environmental Product Declaration	HUB-EPD-PHILIPS-CorePro-LED-tube-EM-Mains-T8-COMF-1367-Ref-929004320502-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
LDT File	CorePro-LEDtube-1200mm-UO-17-5W-3CCT-T8-9290043205-LDT.ldt	Download
IES File	CorePro-LEDtube-1200mm-UO-17-5W-3CCT-T8-9290043205-IES.IES	Download

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