



CorePro LED tube EM/ Mains T8



CorePro LEDtube 1200mm HO 18W 830 T8

CorePro, LEDtube, T8, EM/Mains, 1200 mm, 18 W, 36W TL-D, 3000 K, 1850 lm, CRI 80, 50000 hour(s)

CorePro, LEDtube, T8, EM/Mains, 1200 mm, 18 W, LED alternative to 36W TL-D, 3000 K, 1850 lm, CRI 80, 50000 hour(s), 102 lm/W, EEL F, G13, Beam angle 240 degree(s), Glass, 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.

Product data

General Information		Color Designation	
Cap-Base	G13	White (WH)	
Nominal lifetime	50,000 hour(s)	Correlated Color Temperature (Nom)	3000 K
Switching Cycle	200,000	Luminous Efficacy (rated) (Nom)	102 lm/W
Lighting Technology	LEDtube	Color Consistency	<6
Flux measurement reference	Sphere	Color rendering index (CRI)	80
Warranty period	3 years	LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Photobiological safety according to EN 62471	RG0
Color Code	830 [CCT of 3000K]	Operating and Electrical	
Beam Angle (Nom)	240 degree(s)	Line Frequency	50 to 60 Hz
Luminous Flux	1,850 lm	Input Frequency	50 to 60 Hz
		Power Consumption	18 W

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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	5.9
Max. lamp no. on MCB B type 10A - Mains	64
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	103
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)	60 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.220 kg

Approval and Application

Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1827705
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

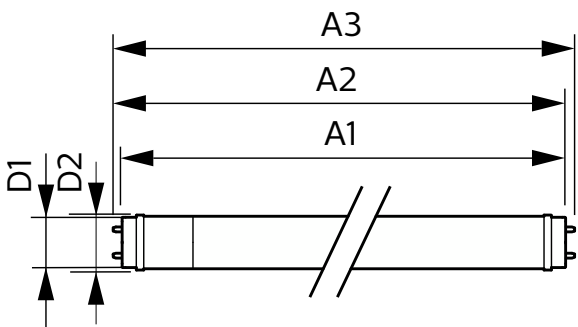
Application Conditions

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

Product Data

Order product name	CorePro LEDtube 1200mm HO 18W 830 T8
Full product name	CorePro LEDtube 1200mm HO 18W 830 T8
Full product code	871951448646100
Order code	929003577532
Material Nr. (12NC)	929003577532
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514486461
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514486478

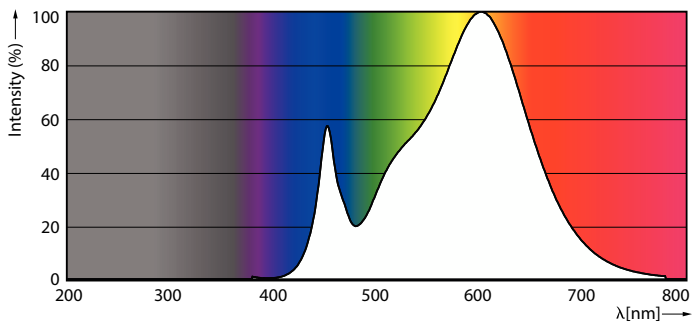
Dimensional drawing



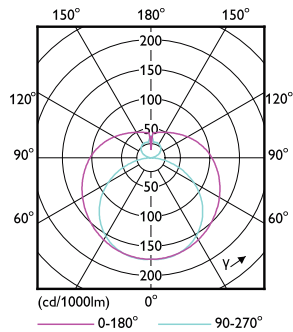
Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm HO 18W 830 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

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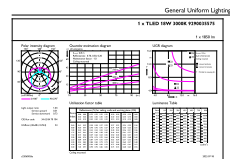
Photometric data



Spectral Power Distribution Colour - CorePro LEDtube 1200mm HO 18W 830 T8



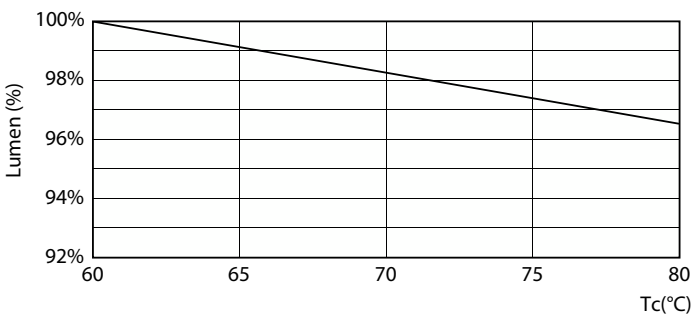
Light Distribution Diagram - CorePro LEDtube 1200mm HO 18W 830 T8



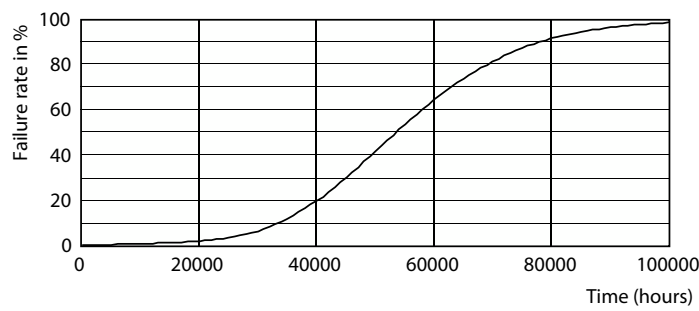
General Uniform Lighting

General uniform lighting - CorePro LEDtube 1200mm HO 18W 830 T8

Lifetime



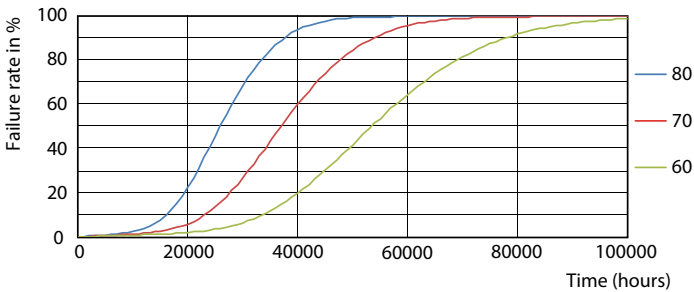
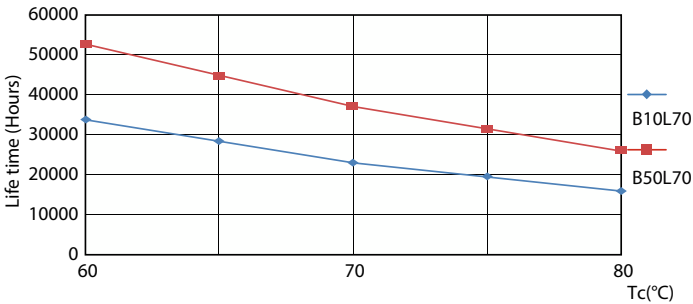
Lumen Maintenance Diagram - CorePro LEDtube 1200mm HO 18W 830 T8



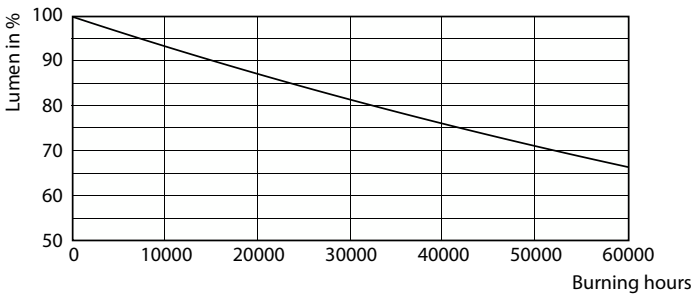
Life Expectancy Diagram

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Lifetime



LifetimeVsTc



FailureRate

Lumen Maintenance Diagram - CorePro LEDtube 1200mm HO 18W 830 T8

