

CorePro LED tube EM/ Mains T8



CorePro LEDtube 1500mm HO 24W 840 T8

CorePro, LEDtube, T8, EM/Mains, 1500 mm, 24 W, 58W TL-D, 4000 K, 2700 lm, CRI 80, 50000 hour(s)

CorePro, LEDtube, T8, EM/Mains, 1500 mm, 24 W, LED alternative to 58W TL-D, 4000 K, 2700 lm, CRI 80, 50000 hour(s), 112 lm/W, EEL E, G13, Beam angle 240 degree(s), Glass, 1500 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	
Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,700 lm
Color Designation	Cool White (CW)

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	112 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	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	24 W
Lamp Current (Nom)	130 mA

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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	58W TL-D
Inrush current at mains	8
Max. lamp no. on MCB B type 10A – Mains	47
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	52
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	18
Max. lamp no. on MCB B type 16A – Mains	76
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	82
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	28
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	1,500 mm
Bulb Shape	T8
Net Weight (Piece)	0.270 kg

Approval and Application

Energy Efficiency Class	E
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Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	24 kWh
EPREL Registration Number	1827694
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

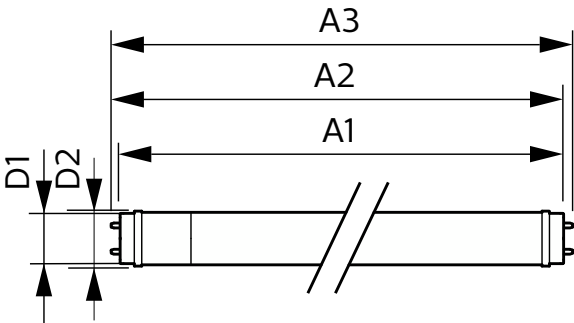
Application Conditions

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

Product Data

Order product name	CorePro LEDtube 1500mm HO 24W 840 T8
Full product name	CorePro LEDtube 1500mm HO 24W 840 T8
Full product code	871869680617300
Order code	929001875102
Material Nr. (12NC)	929001875102
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696806173
Numerator – Packs per outer box	10
EAN/UPC – Case	8718696806180

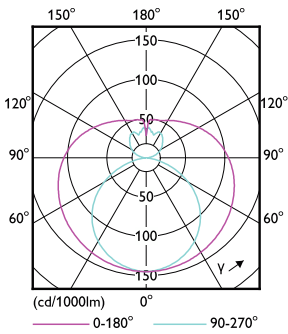
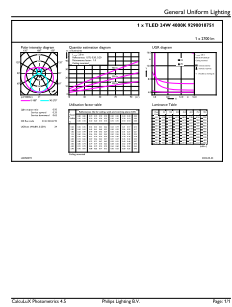
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm HO 24W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

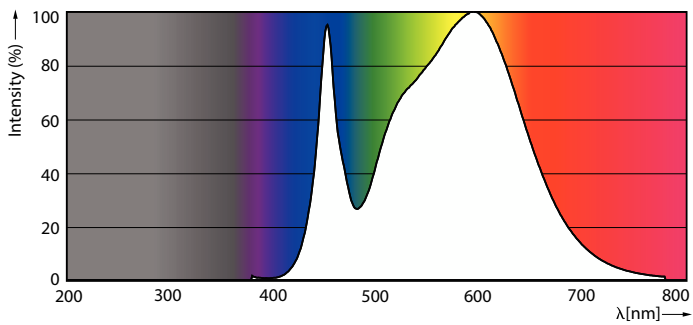
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Photometric data



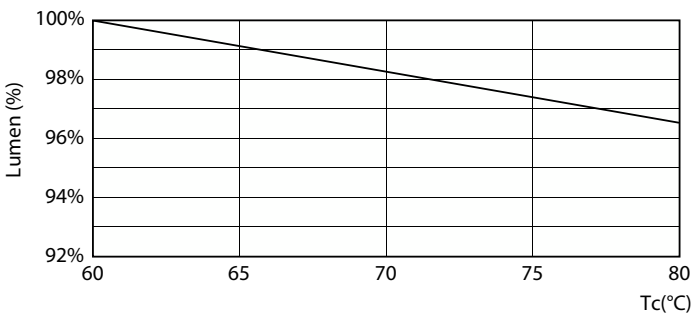
General uniform lighting - CorePro LEDtube 1500mm HO 24W 840 T8

Light Distribution Diagram - CorePro LEDtube 1500mm HO 24W 840 T8

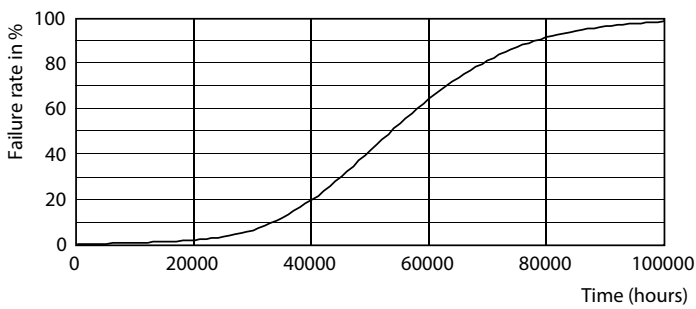


Spectral Power Distribution Colour - CorePro LEDtube 1500mm HO 24W 840 T8

Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1500mm HO 24W 840 T8



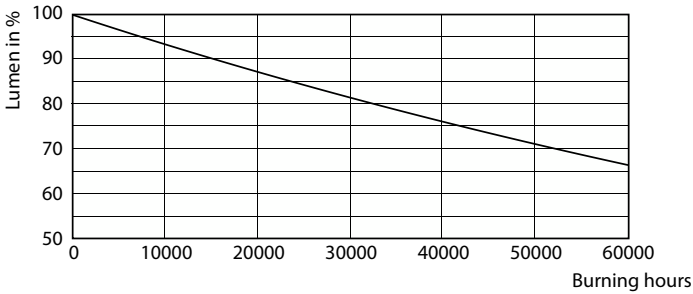
Life Expectancy Diagram

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Lifetime



LifetimeVsTc



FailureRate

Lumen Maintenance Diagram - CorePro LEDtube 1500mm HO 24W 840 T8

