

CorePro LED tube EM/ Mains T8

CorePro LEDtube 1200mm UO 17.7W 840 T8

LED, T8, EM/Mains, 1200 mm, 17.7 W, 36W TL-D, 4000 K, 2400 lm, CRI 80, 50000 hour(s)

The CorePro LEDtube is an affordable LED solution suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Warnings and Safety

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Product data

General Information	
Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,400 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	135 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	17.7 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

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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)	55 °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	D
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Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1827720
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

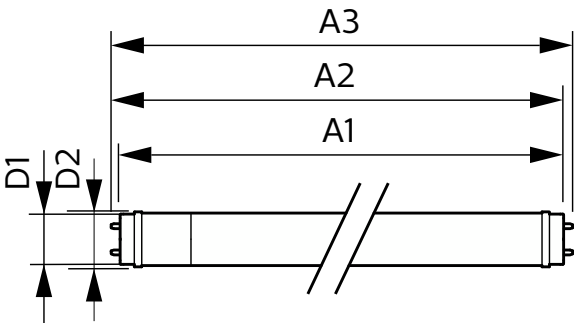
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	CorePro LEDtube 1200mm UO 17.7W 840 T8
Full product name	CorePro LEDtube 1200mm UO 17.7W 840 T8
Full product code	872016927860800
Order code	27860800
Material Nr. (12NC)	929003746202
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169278608
Numerator – Packs per outer box	20
EAN/UPC – Case	8720169278615

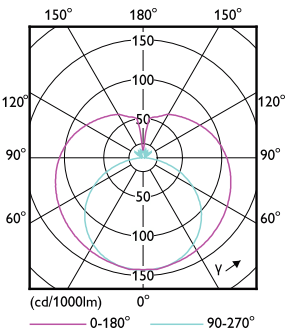
Dimensional drawing



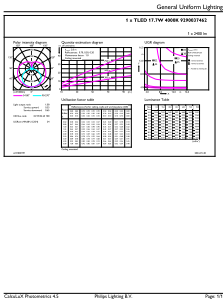
Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm UO 17.7W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

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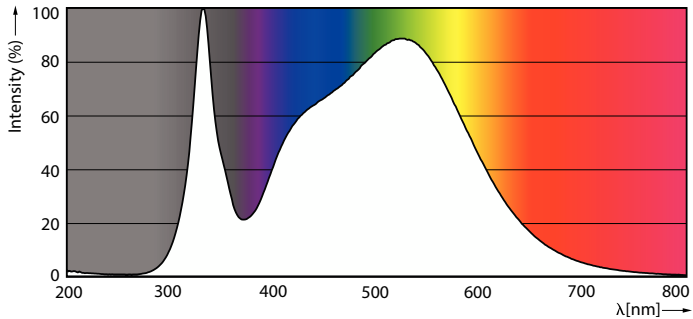
Photometric data



Light Distribution Diagram - CorePro LEDtube 1200mm UO 17.7W 840 T8

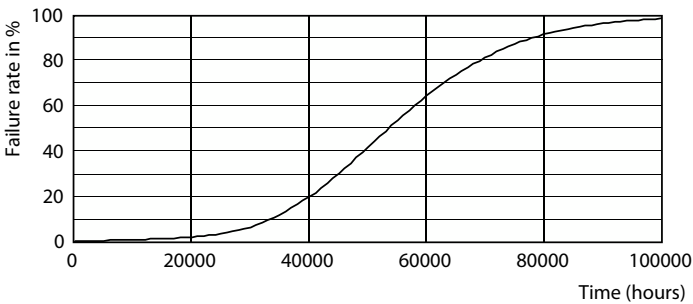


General uniform lighting - CorePro LEDtube 1200mm UO 17.7W 840 T8

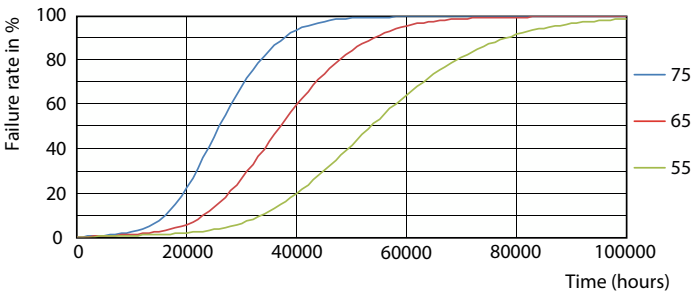


Spectral Power Distribution Colour - CorePro LEDtube 1200mm UO 17.7W 840 T8

Lifetime



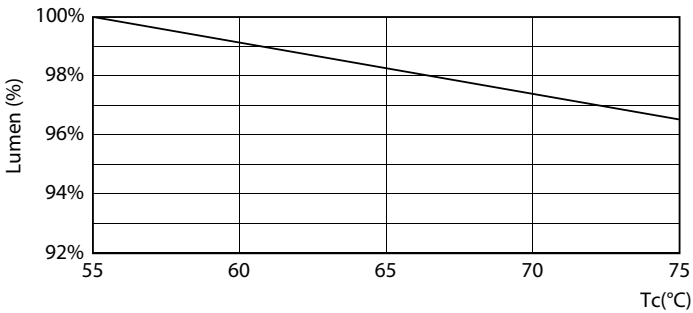
Life Expectancy Diagram



FailureRate

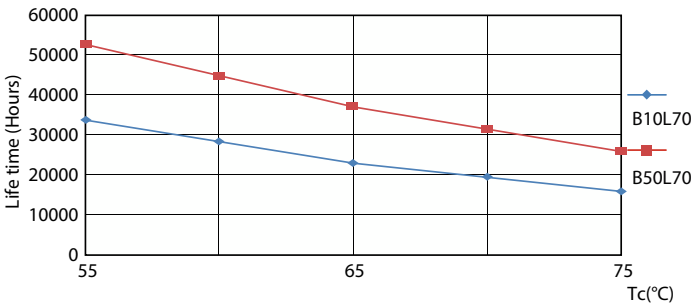
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Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm UO 17.7W 840 T8

Lumen Maintenance Diagram - CorePro LEDtube 1200mm UO 17.7W 840 T8



LifetimeVsTc

