



CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1200mm 15.5W 830 T8

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		Photobiological safety according to EN 62471	
Cap-Base	G13		RG0
Nominal lifetime	50,000 hour(s)	Operating and Electrical	
Switching Cycle	200,000	Line Frequency	50 to 60 Hz
Lighting Technology	LED	Input Frequency	50 to 60 Hz
Flux measurement reference	Sphere	Power Consumption	15.5 W
Light Technical		Lamp Current (Nom)	84 mA
Color Code	830 [CCT of 3000K]	Starting Time (Nom)	0.5 s
Beam Angle (Nom)	240 degree(s)	Warm-up time to 60% light	0.5 s
Luminous Flux	1,700 lm	Power Factor (Fraction)	0.9
Color Designation	White (WH)	Voltage (Nom)	220-240 V
Correlated Color Temperature (Nom)	3000 K	Ballast Compatibility	EM/Mains
Luminous Efficacy (rated) (Nom)	109 lm/W	LED alternative to fluorescent lamp power	36 W
Color Consistency	<6	Inrush current at mains	5.08
Color rendering index (CRI)	80	Max. lamp no. on MCB B type 10A - Mains	91
LLMF At End Of Nominal Lifetime (Nom)	70 %	Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	91

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Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	24
Max. lamp no. on MCB B type 16A – Mains	145
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	145
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	38

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	16 kWh
EPREL Registration Number	1827706
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

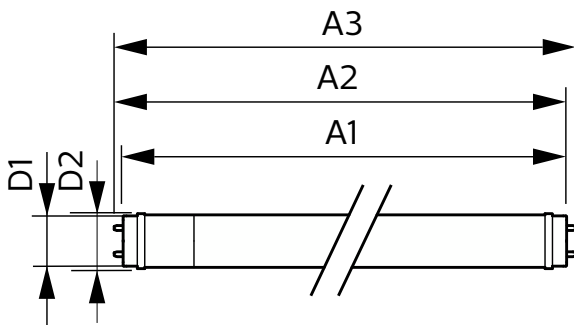
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	CorePro LEDtube 1200mm 15.5W 830 T8
Full product name	CorePro LEDtube 1200mm 15.5W 830 T8
Full product code	871951448640900
Order code	929003577232
Material Nr. (12NC)	929003577232
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514486409
Numerator - Packs per outer box	20
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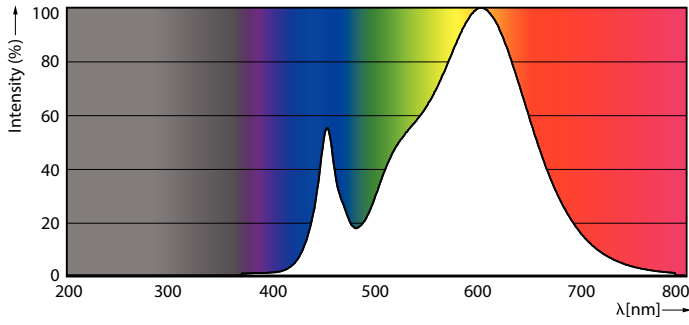
Dimensional drawing



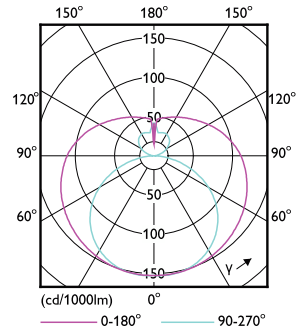
Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 15.5W 830 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

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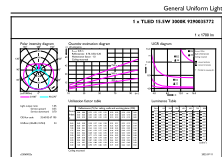
Photometric data



Spectral Power Distribution Colour - CorePro LEDtube 1200mm 15.5W 830 T8



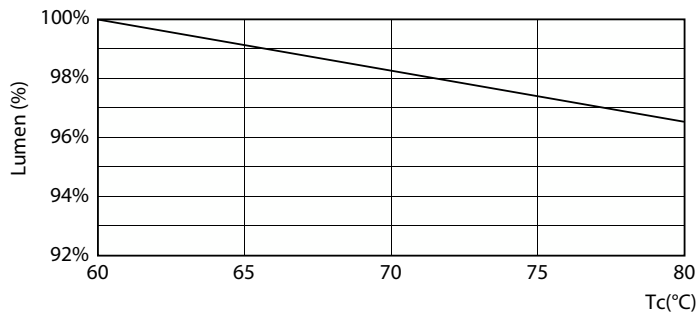
Light Distribution Diagram - CorePro LEDtube 1200mm 15.5W 830 T8



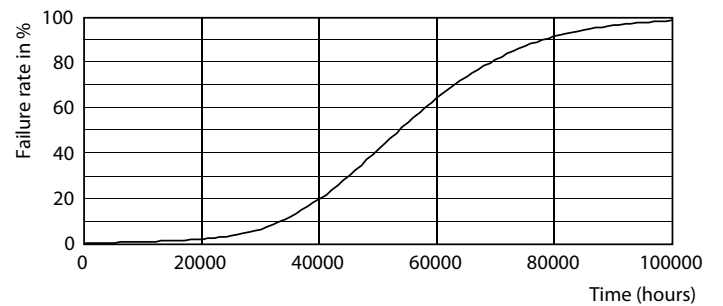
General Uniform Lighting

General uniform lighting - CorePro LEDtube 1200mm 15.5W 830 T8

Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 830 T8



Life Expectancy Diagram

CorePro LEDtube EM/Mains T8

Lifetime



LifetimeVsTc

FailureRate



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 830 T8

