



# CorePro LEDtube EM/ Mains



## CorePro LEDtube 1200mm 15.5W 830 T8

CorePro, LEDtube, T8, EM/Mains, 1200 mm, 15.5 W, 36W TL-D, 3000 K, 1700 lm, CRI 80, 50000 h

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		Colour consistency	
Cap base	G13	Colour consistency	<6
Nominal lifetime	50,000 h	Colour rendering index (CRI)	80
Switching Cycle	200,000	LLMF at end of nominal lifetime (nom.)	70 %
Lighting Technology	LEDtube	Photobiological safety according to EN 62471	RG0
Flux measurement reference	Sphere	<b>Operating and Electrical</b>	
<b>Light Technical</b>		Line Frequency	50 to 60 Hz
Colour Code	830 [CCT of 3000K]	Input frequency	50 to 60 Hz
Beam angle (nom.)	240 degree(s)	Power Consumption	15.5 W
Luminous Flux	1,700 lm	Lamp current (nom.)	84 mA
Colour designation	White (WH)	Starting time (nom.)	0.5 s
Correlated Colour Temperature (Nom)	3000 K	Warm-up time to 60% light	0.5 s
Luminous efficacy (rated) (nom.)	109 lm/W	Power Factor (Fraction)	0.9
		Voltage (nom.)	220-240 V

## CorePro LEDtube EM/Mains

LED alternative to fluorescent lamp power	36W TL-D
Inrush current at mains	5.08
Max. lamp no. on MCB B type 10A – Mains	91
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	91
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
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

Lamp 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
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Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	16 kWh
EPREL Registration Number	1827706
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

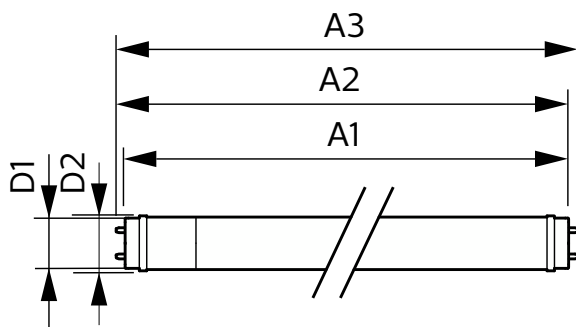
### Application Conditions

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 EOC	871951448640900
Order code	929003577232
Material no. (12 NC)	929003577232
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514486409
Numerator – packs per outer box	20
EAN/UPC – Case	8719514486416

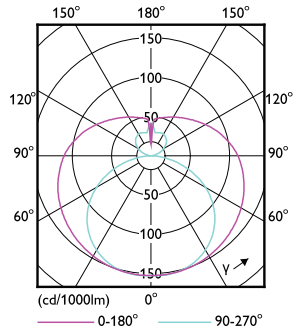
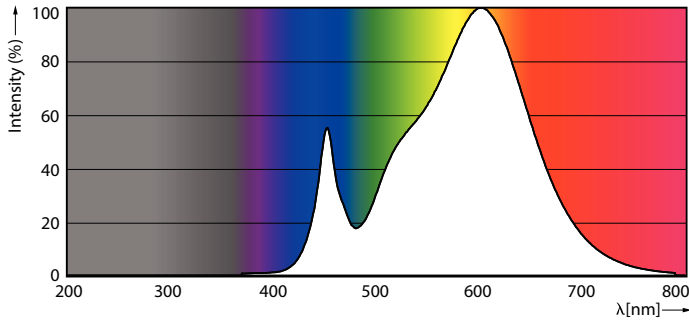
## Dimensional drawing



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

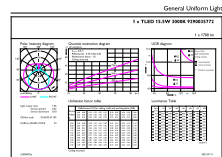
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## Photometric data



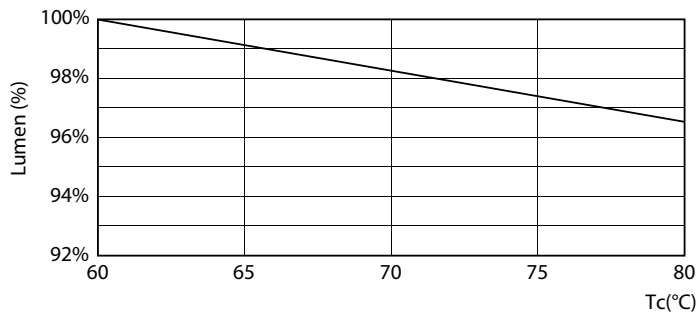
Spectral Power Distribution Colour - CorePro LEDtube 1200mm 15.5W 830 T8

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



General uniform lighting - 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

## Lifetime



LifetimeVsTc

FailureRate



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

