



# CorePro LEDtube EM/ Mains T8



## CorePro LEDtube 1500mm 20W 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,050 lm
Color Designation	White (WH)
Luminous Efficacy (rated) (Nom)	102 lm/W
Correlated Color Temperature (Nom)	3000 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

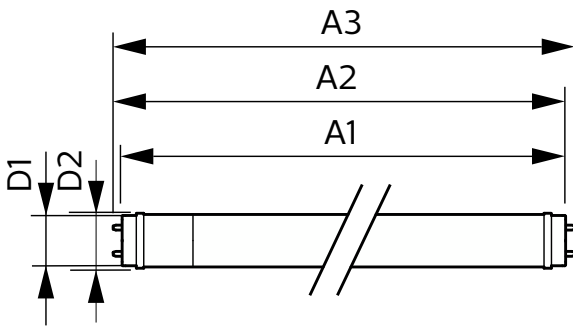
Operating and Electrical	
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.9
Photobiological safety according to EN 62471	RG0
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Lamp Current (Nom)	105 mA
Starting 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	58 W
Ballast Compatibility	EM/Mains

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Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate

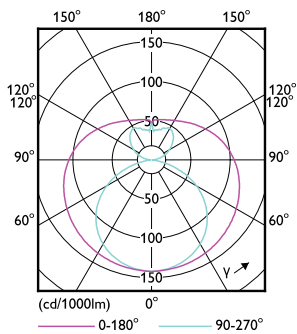
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	1827710
Energy Efficiency Class	F
EU RoHS compliant	Yes
Product Data	
Order product name	CorePro LEDtube 1500mm 20W 830 T8
Full product name	CorePro LEDtube 1500mm 20W 830 T8
Full product code	871951448642300
Order code	48642300
Material Nr. (12NC)	929003577332
Net Weight (Piece)	0.220 kg
EAN/UPC - Product/Case	8719514486423
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514486430

## Dimensional drawing

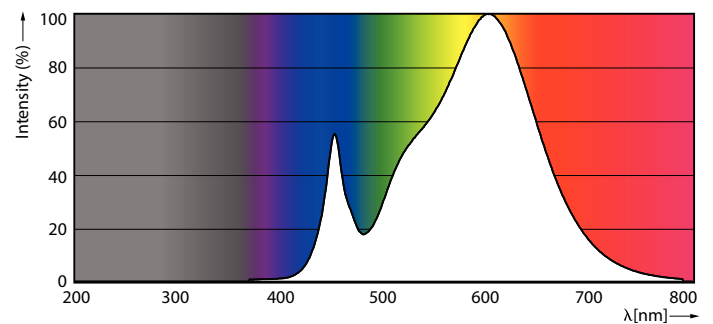


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

## Photometric data



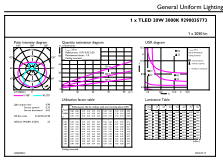
Light Distribution Diagram - CorePro LEDtube 1500mm 20W 830 T8



Spectral Power Distribution Colour - CorePro LEDtube 1500mm 20W 830 T8

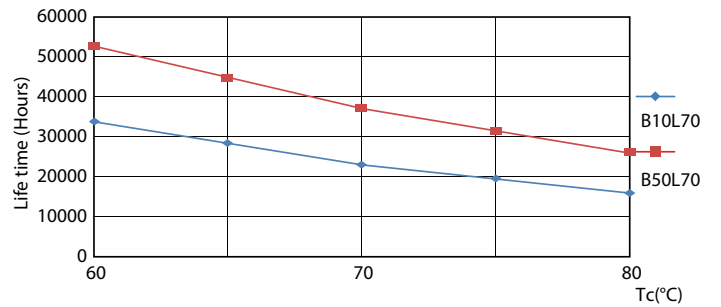
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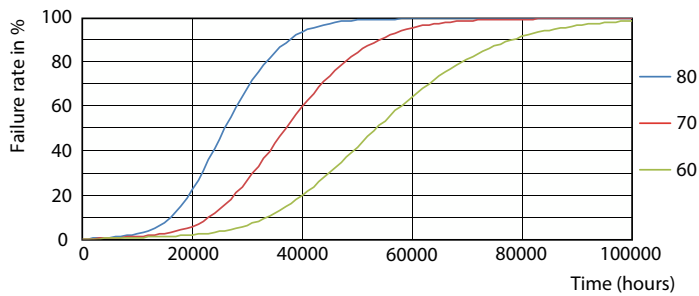


General uniform lighting - CorePro LEDtube 1500mm 20W 830 T8

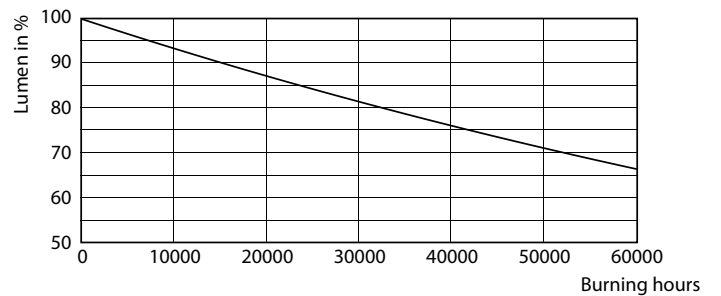
## Lifetime



Life Expectancy Diagram



LifetimeVsTc



FailureRate

Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 830 T8

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