



# CorePro LEDtube EM/ Mains



## CorePro LEDtube 1200mm HO 18W 840 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

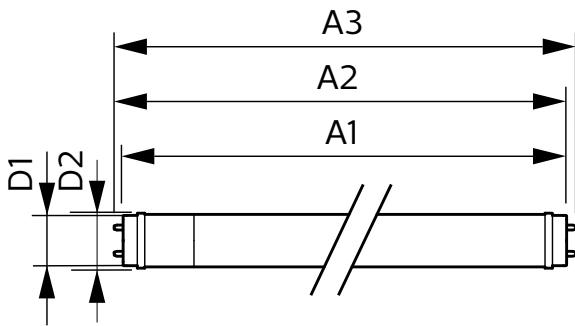
General Information		LLMF at end of nominal lifetime (nom.)	
Cap base	G13 [Medium Bi-Pin Fluorescent]		70 %
Nominal lifetime	50,000 h	Flickering value (PstLM)	1
Switching Cycle	200,000	Stroboscopic effect	0.9
Lighting Technology	LED	Photobiological safety according to EN 62471	RG0
Flux measurement reference	Sphere	<b>Operating and Electrical</b>	
CE mark	Yes	Line Frequency	50 to 60 Hz
EU RoHS compliant	Yes	Input frequency	50 to 60 Hz
<b>Light Technical</b>		Power Consumption	18 W
Colour Code	840 [CCT of 4000K]	Lamp current (nom.)	90 mA
Beam angle (nom.)	240 degree(s)	Starting time (nom.)	0.5 s
Luminous Flux	2,000 lm	Warm-up time to 60% light	0.5 s
Colour designation	Cool White (CW)	Power Factor (Fraction)	0.9
Correlated Colour Temperature	4000 K	Voltage (nom.)	220-240 V
Luminous efficacy (rated) (nom.)	111 lm/W	LED alternative to fluorescent lamp power	36 W
Colour consistency	<6	<b>Temperature</b>	
Colour rendering index (CRI)	80	Ambient temperature range	-20°C to 45°C

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T-Case maximum (nom.)	60 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Lamp Finish	Frosted
Bulb material	Glass
Product length	1,200 mm
<b>Approval and Application</b>	
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	18 kWh

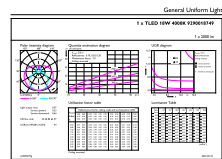
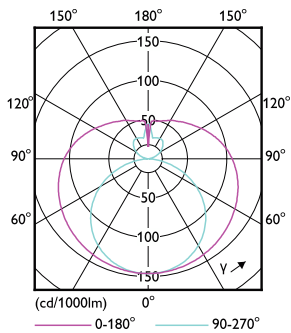
EPREL registration number	1384712
<b>Product Data</b>	
Order product name	CorePro LEDtube 1200mm HO 18W 840 T8
Full product name	CorePro LEDtube 1200mm HO 18W 840 T8
Full EOC	871951446958700
Order code	46958700
Material no. (12 NC)	929001874932
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514469587
Numerator – packs per outer box	20
EAN/UPC - Case	8719514469594

## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm HO 18W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

## Photometric data

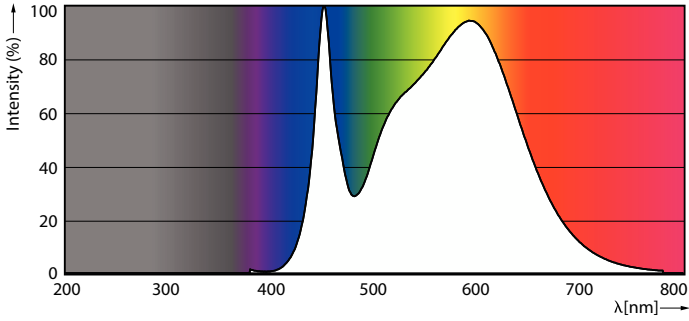


Light Distribution Diagram - CorePro LEDtube 1200mm HO 18W 840 T8

General uniform lighting - CorePro LEDtube 1200mm HO 18W 840 T8

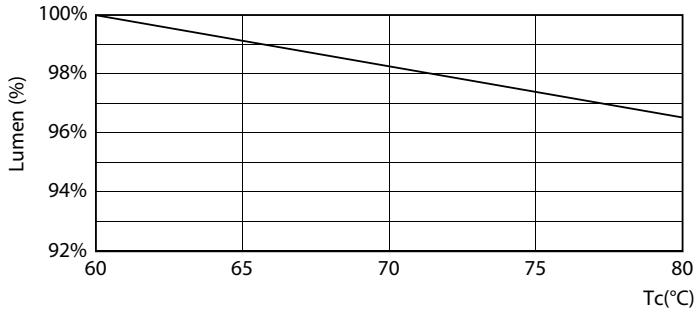
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## Photometric data

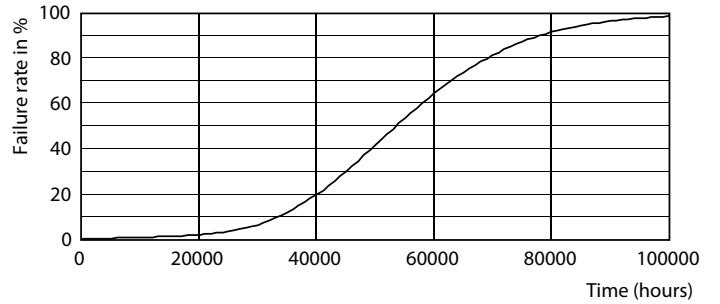


Spectral Power Distribution Colour - CorePro LEDtube 1200mm HO 18W 840 T8

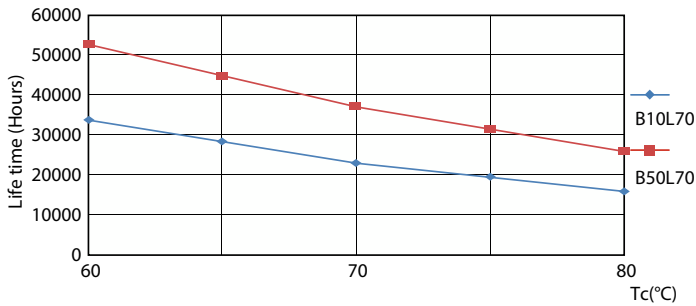
## Lifetime



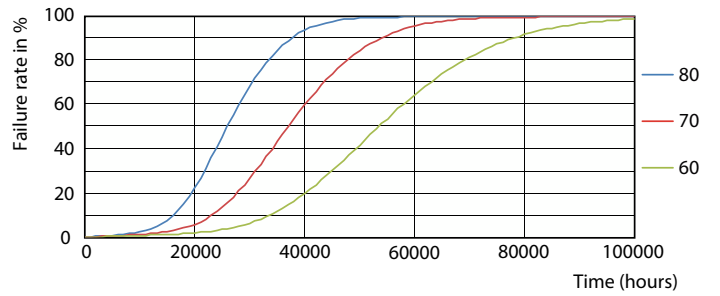
Lumen Maintenance Diagram - CorePro LEDtube 1200mm HO 18W 840 T8



Life Expectancy Diagram - CorePro LEDtube 1200mm HO 18W 840 T8



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