



CorePro LEDtube EM/ Mains T8



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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom)	70 %
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

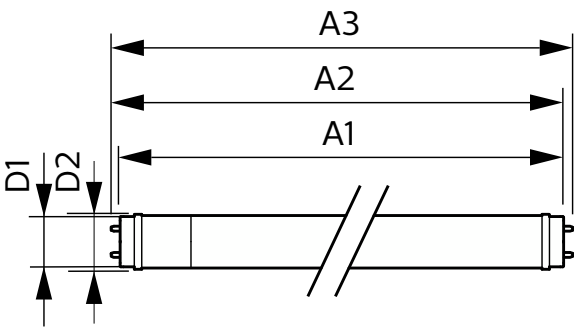
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Nom)	90 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	36 W
Ballast Compatibility	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	1,200 mm
Bulb Shape	T8
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate

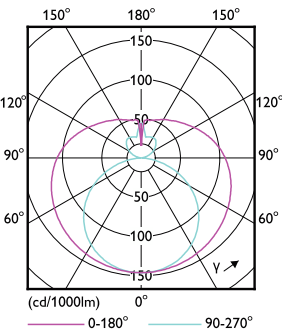
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1384712
Product Data	
Order product name	CorePro LEDtube 1200mm HO 18W 840 T8
Full product name	CorePro LEDtube 1200mm HO 18W 840 T8
Full product code	871869680613500
Order code	80613500
Material Nr. (12NC)	929001874902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696806135
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696806142

Dimensional drawing

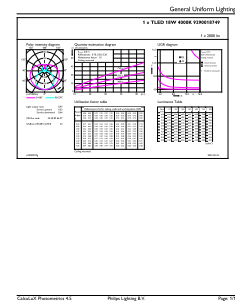


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm HO 18W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



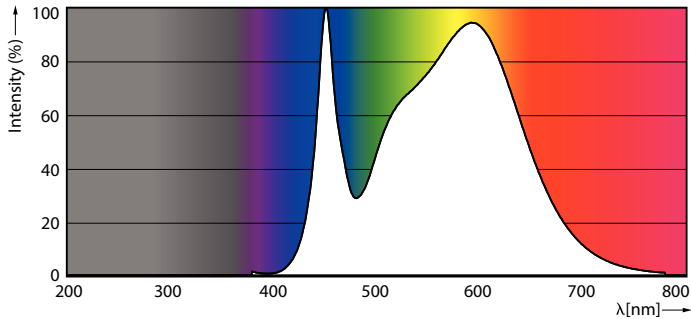
Light Distribution Diagram - CorePro LEDtube 1200mm HO 18W 840 T8



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

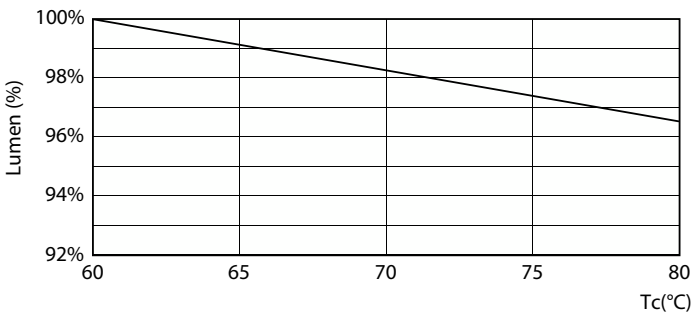
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Photometric data

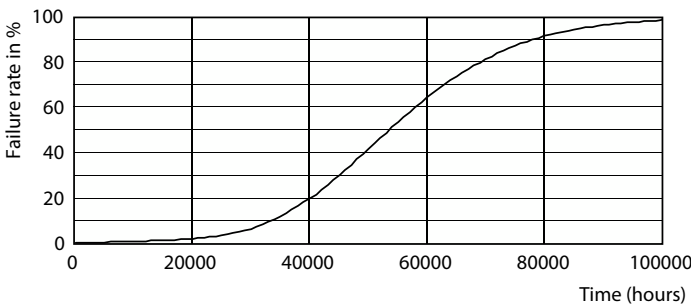


Spectral Power Distribution Colour - CorePro LEDtube 1200mm HO 18W 840 T8

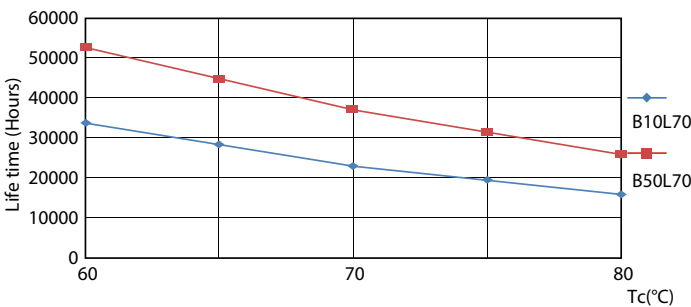
Lifetime



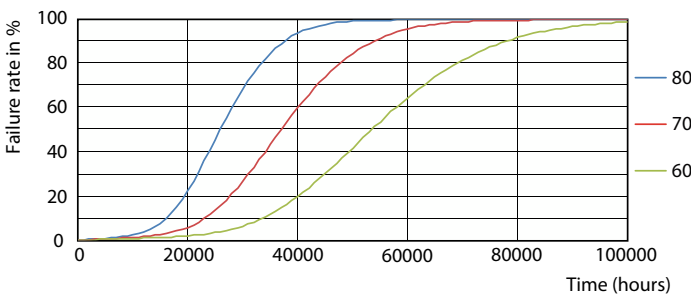
Lumen Maintenance Diagram - CorePro LEDtube 1200mm HO 18W 840 T8



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



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

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Lifetime



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