

CorePro LEDtube EM/ Mains



CorePro LEDtube 1200mm 15.5W 865 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 h		
Switching Cycle	200,000		
Lighting Technology	LED		
Flux measurement reference	Sphere		
Light Technical		Operating and Electrical	
Colour Code	865 [CCT of 6500K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	240 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	1,800 lm	Power Consumption	15.5 W
Colour designation	Cool Daylight	Lamp current (nom.)	84 mA
Correlated Colour Temperature (Nom)	6500 K	Starting time (nom.)	0.5 s
Luminous efficacy (rated) (nom.)	116 lm/W	Warm-up time to 60% light	0.5 s
Colour consistency	<6	Power Factor (Fraction)	0.9
Colour rendering index (CRI)	80	Voltage (nom.)	220–240 V
LLMF at end of nominal lifetime (nom.)	70 %	LED alternative to fluorescent lamp power	36 W
		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

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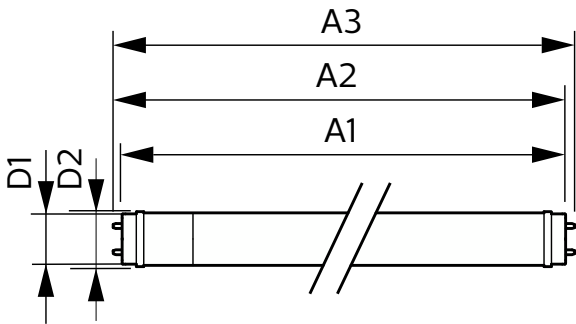
Max. lamp no. on MCB B type 16A — Mains	145
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	145
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	38
Ballast Compatibility	EM/Mains
Temperature	
T-Case maximum (nom.)	60 °C
Controls and Dimming	
Dimmable	No
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	E
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	16 kWh
EPREL Registration Number	1827703
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

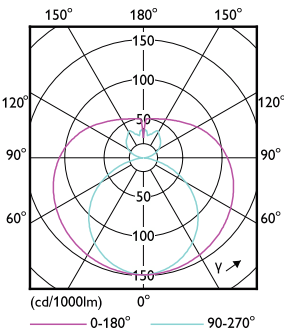
Product Data	
Order product name	CorePro LEDtube 1200mm 15.5W 865 T8
Full product name	CorePro LEDtube 1200mm 15.5W 865 T8
Full EOC	871951444809400
Order code	44809400
Material no. (12 NC)	929003519802
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514448094
Numerator – packs per outer box	20
EAN/UPC – Case	8719514448100

Dimensional drawing

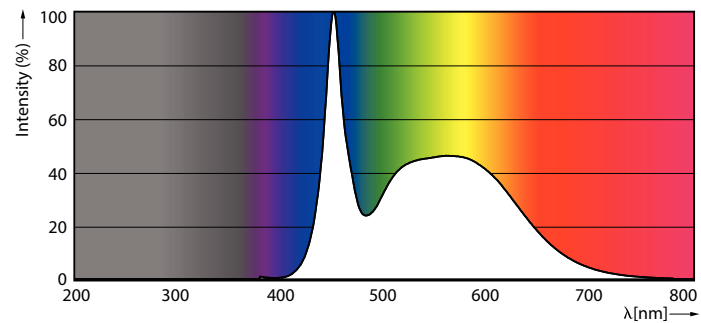


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 15.5W 865 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

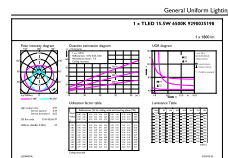
Photometric data



Light Distribution Diagram - CorePro LEDtube 1200mm 15.5W 865 T8



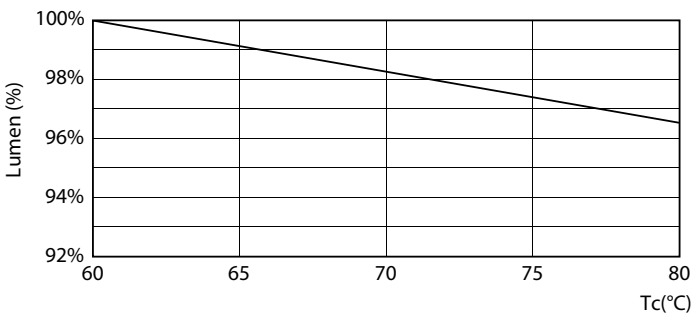
Spectral Power Distribution Colour - CorePro LEDtube 1200mm 15.5W 865 T8



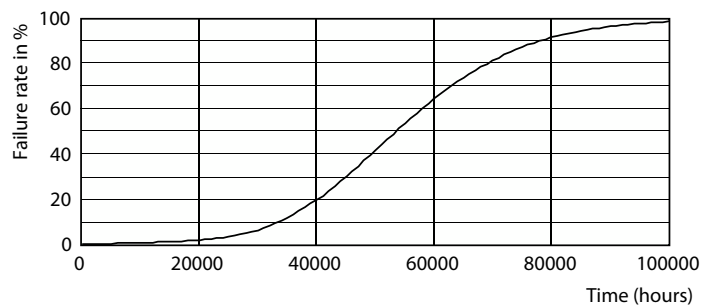
General uniform lighting - CorePro LEDtube 1200mm 15.5W 865 T8

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Lifetime



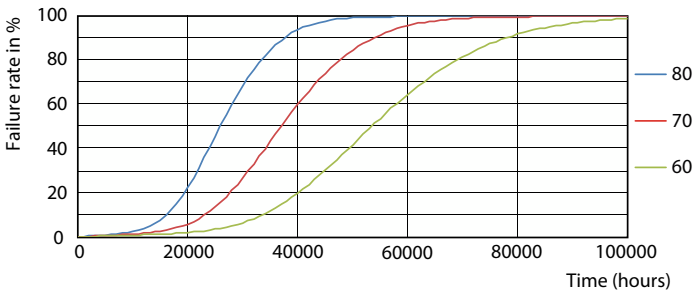
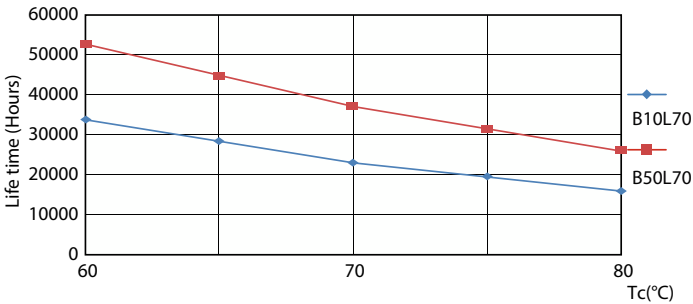
Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 865 T8



Life Expectancy Diagram

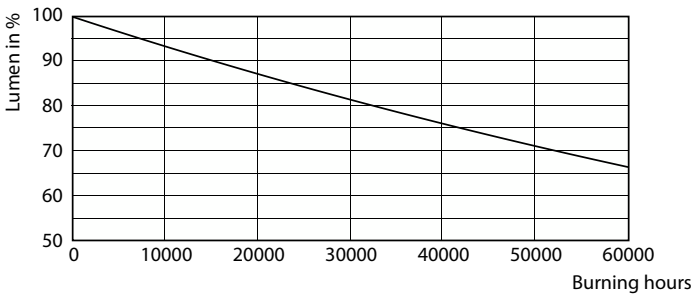
CorePro LEDtube EM/Mains

Lifetime



LifetimeVsTc

FailureRate



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 865 T8

