CorePro LEDtube EM/ Mains

CorePro LEDtube 1500mm 20W 865 T8

CorePro, LEDtube, T8, EM/Mains, 1500 mm, 20 W, 58W TL-D, 6500 K, 2200 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	
Cap base	G13
Nominal lifetime	50,000 h
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical	
Colour Code	865 [CCT of 6500K]
Beam angle (nom.)	240 degree(s)
Luminous Flux	2,200 lm
Colour designation	Cool Daylight
Correlated Colour Temperature (Nom)	6500 K
Luminous efficacy (rated) (nom.)	110 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
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

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Voltage (nom.)	220-240 V
LED alternative to fluorescent lamp power	58W TL-D
Inrush current at mains	7.4
Max. lamp no. on MCB B type 10A — Mains	51
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	76
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	17
Max. lamp no. on MCB B type 16A — Mains	82
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	122
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	27
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	1,500 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	20 kWh
EPREL Registration Number	1827704
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

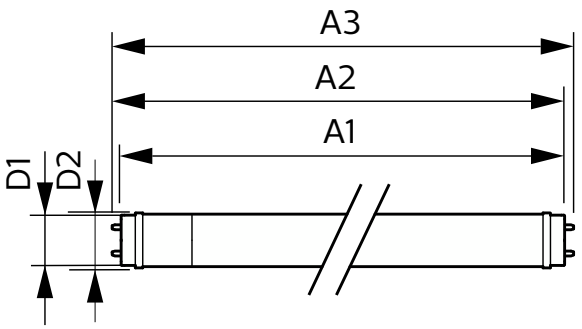
Application Conditions

Can it be used in closed luminaires	Yes

Product Data

Order product name	CorePro LEDtube 1500mm 20W 865 T8
Full product name	CorePro LEDtube 1500mm 20W 865 T8
Full EOC	871951445983000
Order code	929003547502
Material no. (12 NC)	929003547502
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514459830
Numerator – packs per outer box	20
EAN/UPC - Case	8719514459847

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

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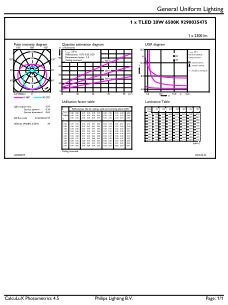
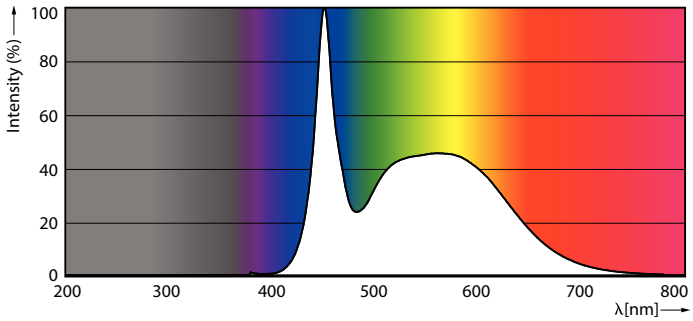
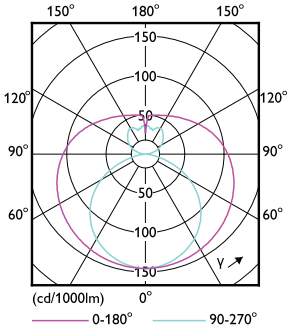
Photometric data



General uniform lighting - CorePro LEDtube 1500mm 20W 865 T8

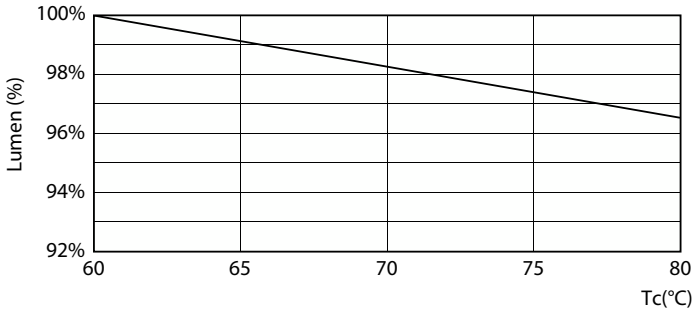


Spectral Power Distribution Colour - CorePro LEDtube 1500mm 20W 865 T8

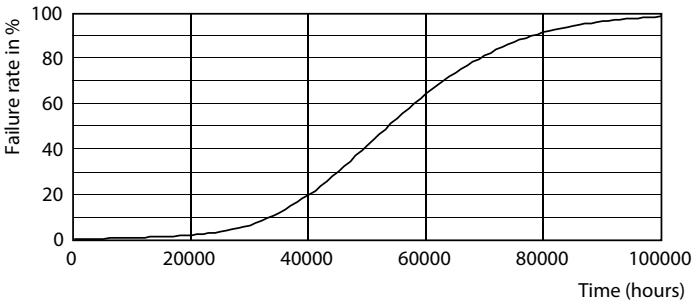


Light Distribution Diagram - CorePro LEDtube 1500mm 20W 865 T8

Lifetime



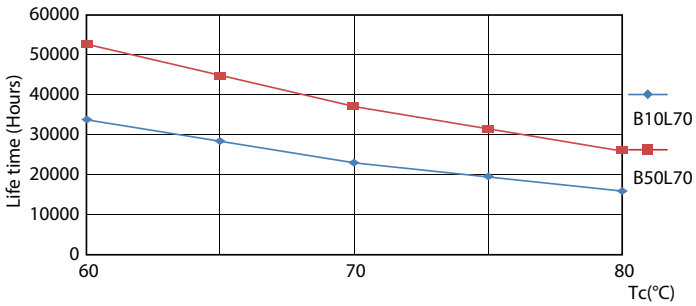
Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 865 T8



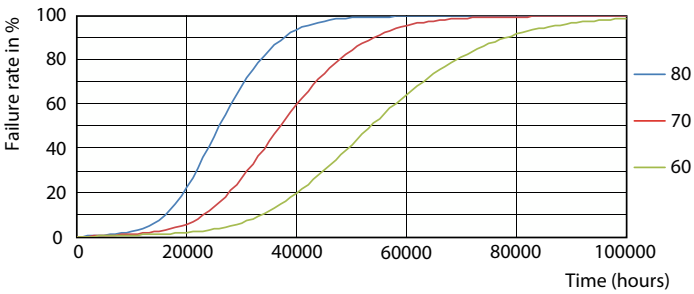
Life Expectancy Diagram

CorePro LEDtube EM/Mains

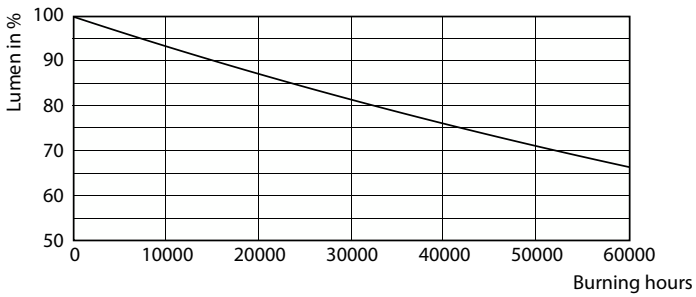
Lifetime



LifetimeVsTc



FailureRate



Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 865 T8

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