



CorePro LEDtube EM/ Mains



CorePro LEDtube 1800mm 21W830 T8

CorePro, LEDtube, T8, EM/Mains, 1800 mm, 21 W, 70W TL-D, 3000 K, 2900 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		Colour consistency	
Cap base	G13 [Medium Bi-Pin Fluorescent]	Colour rendering index (CRI)	<6
Nominal lifetime	50,000 h	LLMF at end of nominal lifetime (nom.)	80
Switching Cycle	200,000	Photobiological safety according to EN 62471	70 %
Lighting Technology	LEDtube		RG0
Flux measurement reference	Sphere	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Colour Code	830 [CCT of 3000K]	Input frequency	50 to 60 Hz
Beam angle (nom.)	160 degree(s)	Power Consumption	21 W
Luminous Flux	2,900 lm	Lamp current (max.)	106 mA
Colour designation	White (WH)	Lamp current (min.)	87 mA
Correlated Colour Temperature (Nom)	3000 K	Starting time (nom.)	0.5 s
Luminous efficacy (rated) (nom.)	138 lm/W	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	70W TL-D
Inrush current at mains	8.2
Max. lamp no. on MCB B type 10A — Mains	65
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	65
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	10
Max. lamp no. on MCB B type 16A — Mains	100
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	100
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	16
Ballast Compatibility	EM/Mains

Temperature

T-Case maximum (nom.)	60 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Plastic
Product length	1,800 mm
Bulb shape	T8
Net Weight (Piece)	0.220 kg

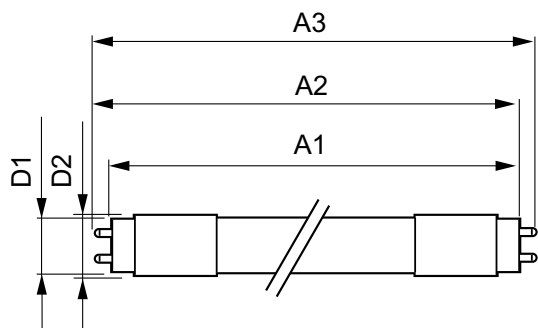
Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	21 kWh
EPREL Registration Number	1384738
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20°C to 45°C

Product Data

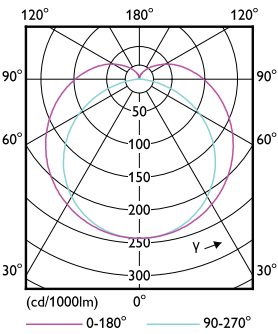
Order product name	CorePro LEDtube 1800mm 21W830 T8
Full product name	CorePro LEDtube 1800mm 21W830 T8
Full EOC	871951449493000
Order code	49493000
Material no. (12 NC)	929003584702
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514494930
Numerator – packs per outer box	10
EAN/UPC – Case	8719514494947

Dimensional drawing

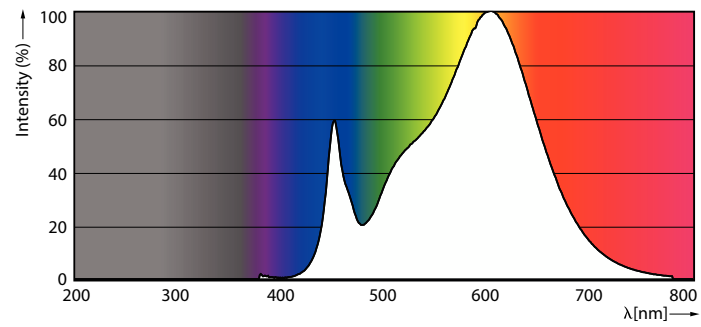


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1800mm 21W830 T8	25.8 mm	28 mm	1,762.6 mm	1,769.7 mm	1,776.8 mm

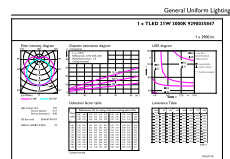
Photometric data



Light Distribution Diagram - CorePro LEDtube 1800mm 21W830 T8



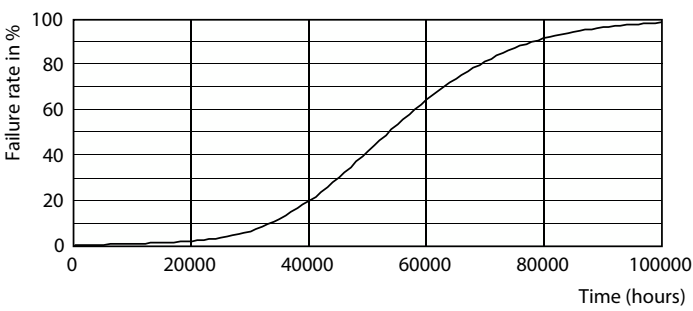
Spectral Power Distribution Colour - CorePro LEDtube 1800mm 21W830 T8



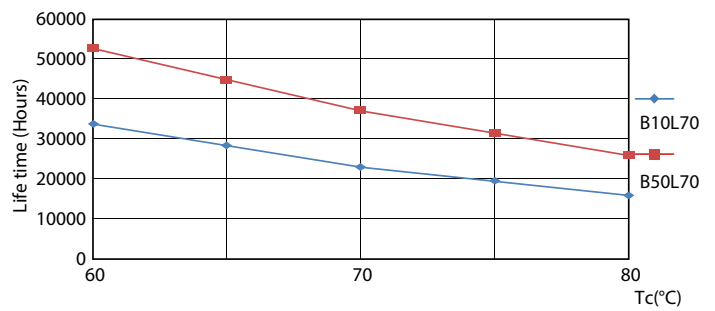
General uniform lighting

General uniform lighting - CorePro LEDtube 1800mm 21W830 T8

Lifetime



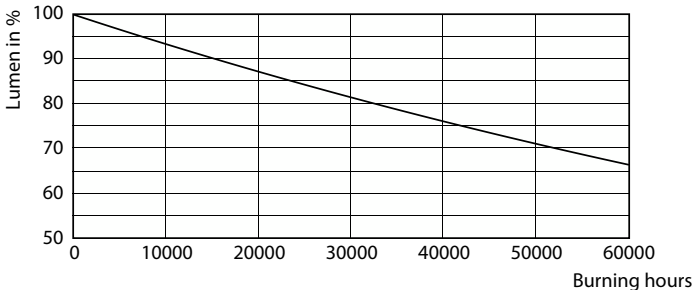
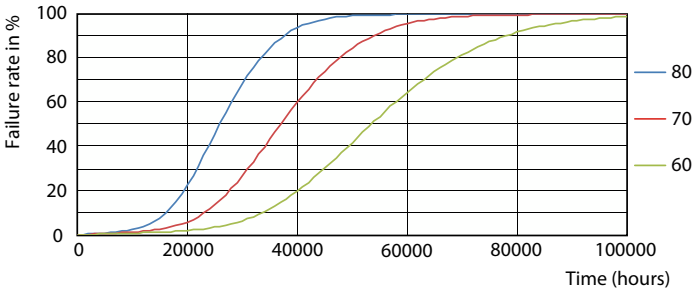
Life Expectancy Diagram



LifetimeVsTc

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Lifetime



FailureRate

Lumen Maintenance Diagram - CorePro LEDtube 1800mm 21W830 T8

