



CorePro LEDtube EM/ Mains



CorePro LEDtube 1800mm 21W 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]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	30000 h
Switching cycle	200000
	Sphere
Tier	CorePro
Light technical	
Colour Code	840 [CCT of 4,000 K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	3100 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	147 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80

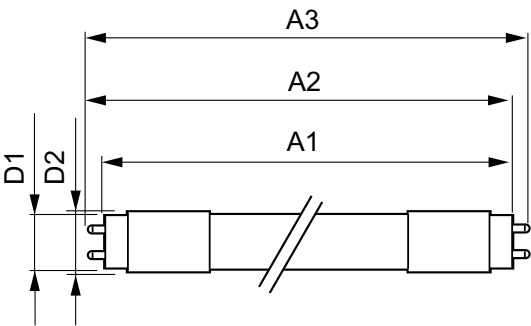
LLMF at end of nominal lifetime (nom.) 70 %	
Operating and electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	21 W
Lamp current (max.)	106 mA
Lamp current (min.)	87 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	220–240 V
Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C

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T-Case maximum (nom.)	60 °C
Controls and dimming	
Dimmable	No
Mechanical and housing	
Lamp Finish	Frosted
Bulb material	Plastic
Product length	1800 mm
Bulb shape	Tube, double-ended
Approval and application	
Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	21 kWh
	403549
Product data	
Full product code	871951431692800
Order product name	CorePro LEDtube 1800mm 21W 840 T8
EAN/UPC – product	8719514316928
Order code	31692800
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002998802
Net Weight (Piece)	0.220 kg

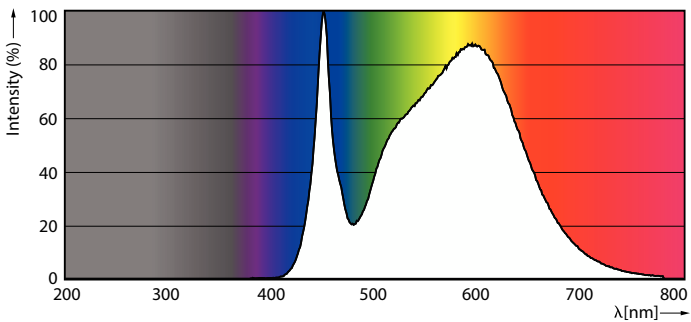
Dimensional drawing



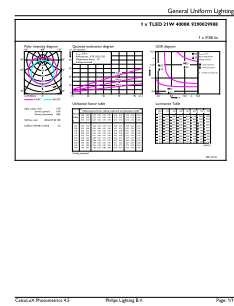
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Product	D1	D2	A1	A2	A3
CorePro LEDtube 1800mm 21W 840 T8	25.8 mm	28 mm	1762.6 mm	1769.7 mm	1776.8 mm

Photometric data

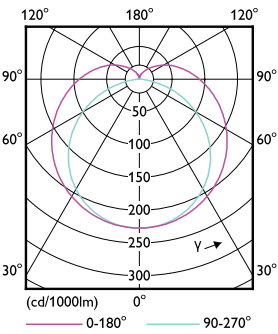


Spectral Power Distribution Colour



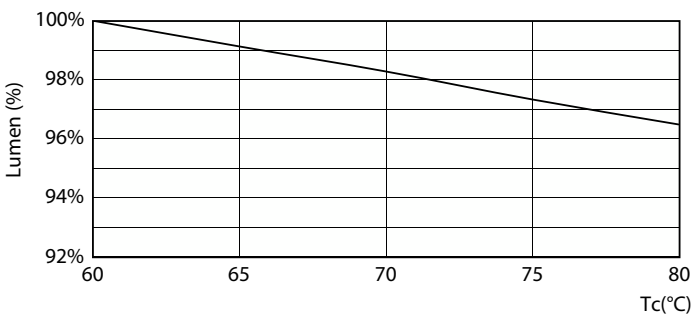
General uniform lighting

Photometric data

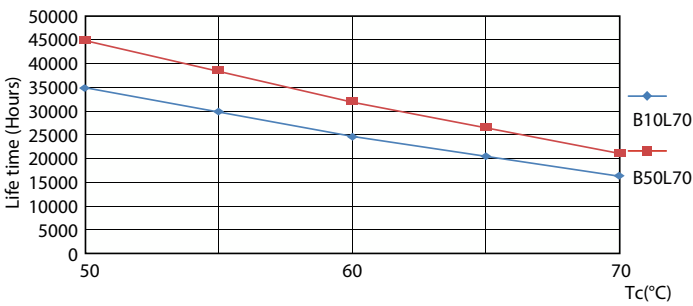


Light Distribution Diagram

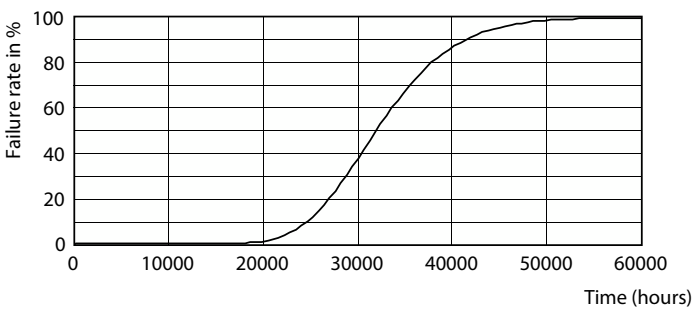
Lifetime



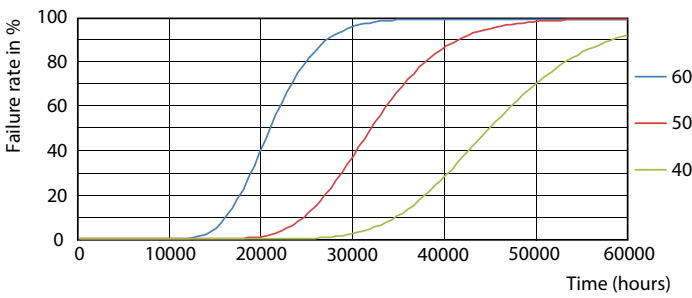
LumenVsTc



LifetimeVsTc



Life Expectancy Diagram



FailureRate

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Lifetime



Lumen Maintenance Diagram

