PHILIPS

Lighting



CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1200mm 16W 865 T8 AP I

Philips CorePro LEDtubes are the quick and easy way to replace T8 fluorescent or other LED tubes with a fast pack back time. Not only does the Core range of LEDtubes require a low initial investment, but LED energy efficiency also delivers instant savings that you can bank on over a long and reliable lifetime. Plus, with the same lamp size and light distribution as fluorescent alternatives, you'll never know the difference. There are two ways to install these LED tubes: Rewire your existing fluorescent-based luminaires so the CorePro LEDtubes work directly on the Mains. Or simply change the fluorescent starter to an LED starter that can be used with your Electromagnetic ballasts.

Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.
- Installation must be done according to the installation diagrams provided with the lamp or available online. Installation must be done by a certified professional.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	30,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,800 lm

Luminous Efficacy (rated) (Nom)	112.00 lm/W
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz

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Power Consumption	16 W
Lamp Current (Max)	88 mA
Lamp Current (Min)	88 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

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8

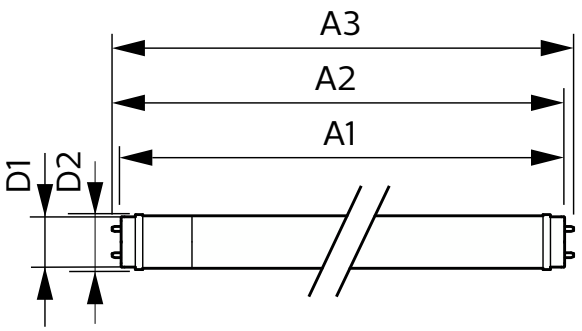
Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
EU RoHS compliant	Yes

Product Data

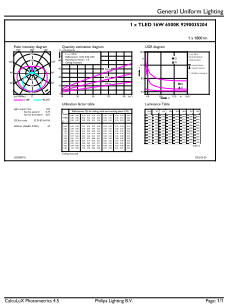
Order product name	CorePro LEDtube 1200mm 16W 865 T8 AP I
Full product name	CorePro LEDtube 1200mm 16W 865 T8 AP I
Full product code	871951444705900
Order code	929003520408
Material Nr. (12NC)	929003520408
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.200 kg
EAN/UPC - Product/Case	8719514447059
Numerator - Packs per outer box	20
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Dimensional drawing

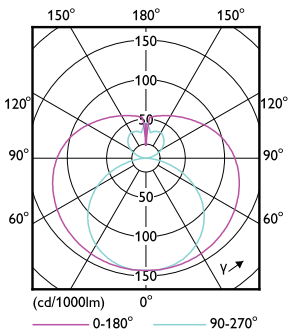


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 16W 865 T8 AP I	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



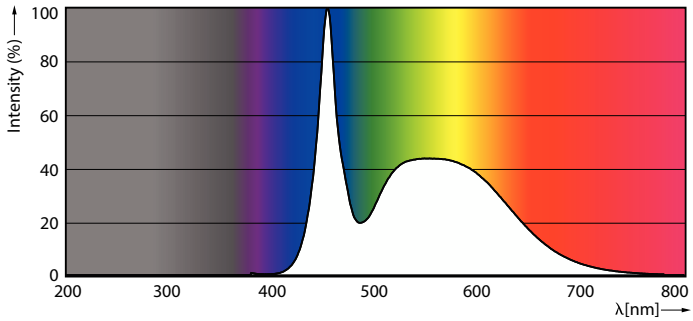
General uniform lighting - CorePro LEDtube 1200mm 16W 865 T8 AP I



Light Distribution Diagram - CorePro LEDtube 1200mm 16W 865 T8 AP I

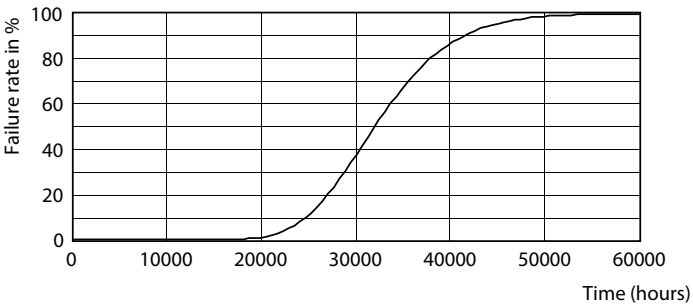
CorePro LEDtube EM/Mains T8

Photometric data

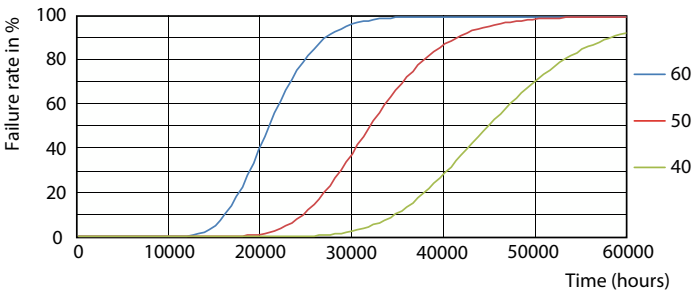


Spectral Power Distribution Colour - CorePro LEDtube 1200mm 16W 865 T8 AP I

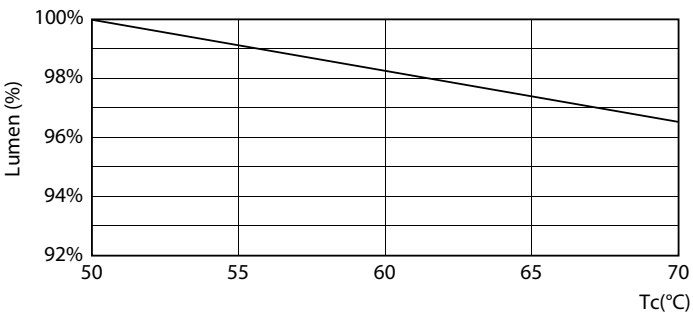
Lifetime



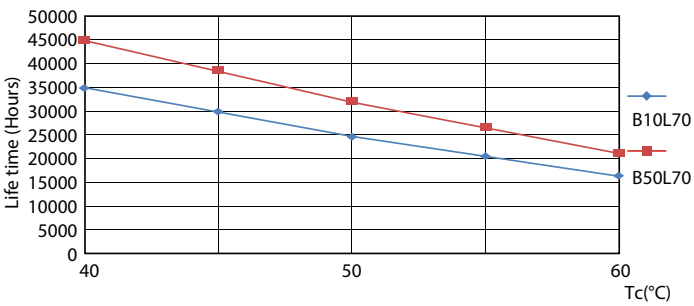
Life Expectancy Diagram



FailureRate



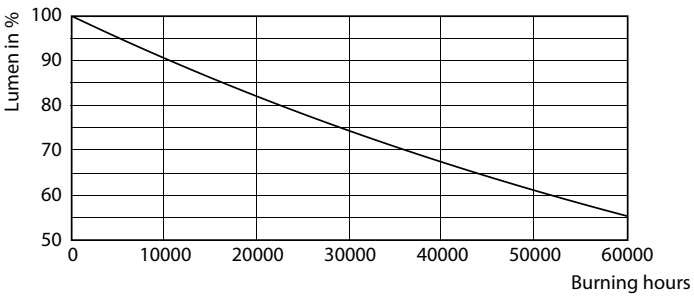
Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W 865 T8 AP I



LifetimeVsTc

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Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W 865 T8 AP I

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