PHILIPS

Lighting

CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1500mm 20W 840 T8

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]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	30000 h
Switching Cycle	200000X
Technical Type	LEDTECH-LOV
Flux measurement reference	Sphere

Light technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 °
Luminous Flux (Nom)	2200 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	110.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

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Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	20 W
Lamp Current (Nom)	105 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
T-Case Maximum (Nom)	60 °C

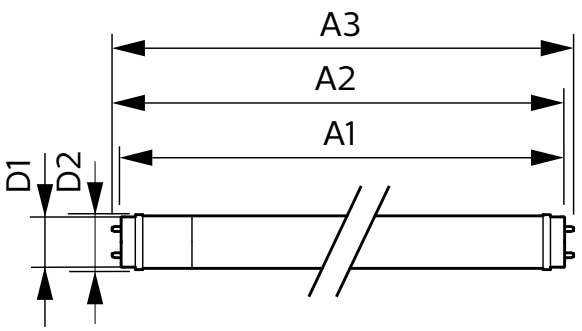
Controls and dimming	
Dimmable	No

Mechanical and housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1500 mm
Bulb Shape	Tube, double-ended

Approval and application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	467305

Product data	
Full product code	871951432539500
Order product name	CorePro LEDtube 1500mm 20W 840 T8
EAN/UPC - Product	8719514325395
Order code	929003022502
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003022502

Dimensional drawing



CorePro LEDtube 1500mm 20W 840 T8

Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W 840 T8	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm

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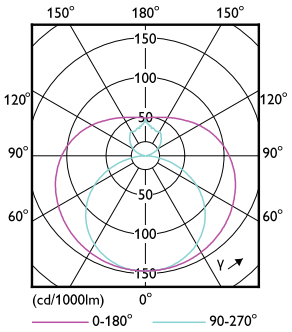
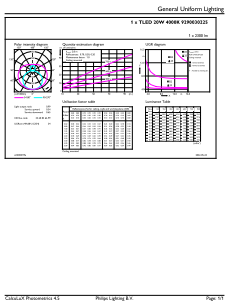
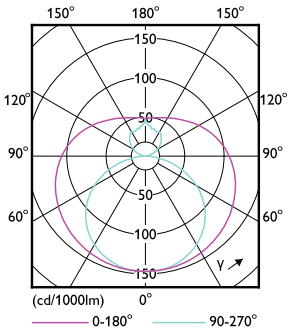
Photometric data



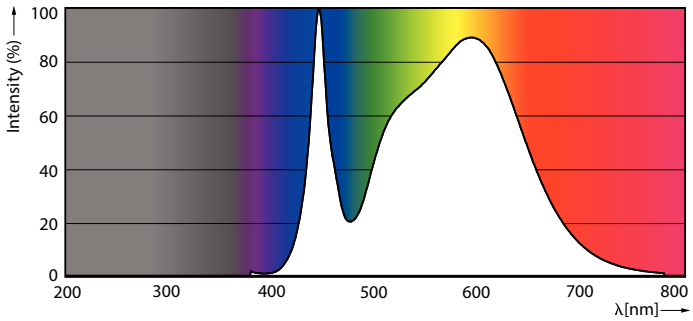
Light Distribution Diagram



General uniform lighting

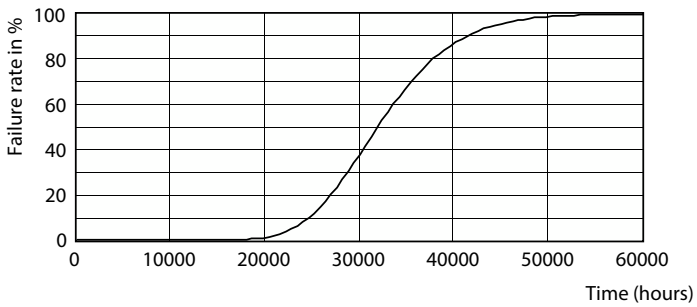


Light Distribution Diagram

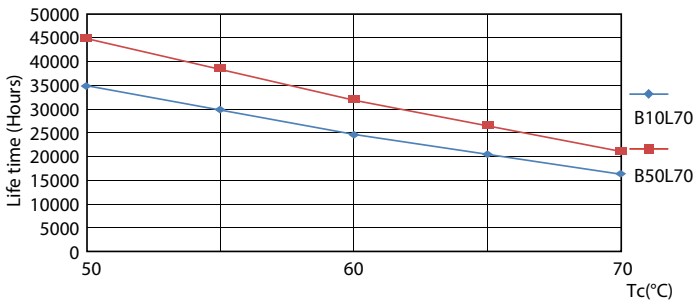


Spectral Power Distribution Colour

Lifetime



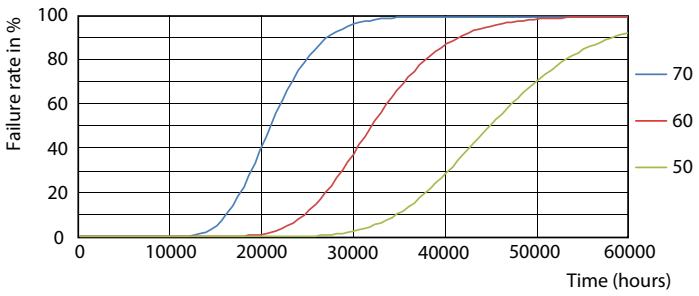
Life Expectancy Diagram

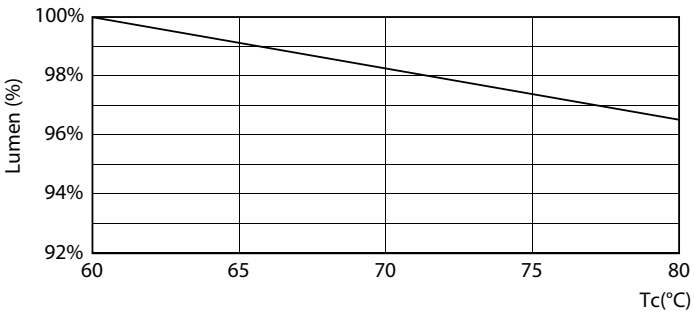


LifetimeVsTc

CorePro LEDtube EM/Mains T8

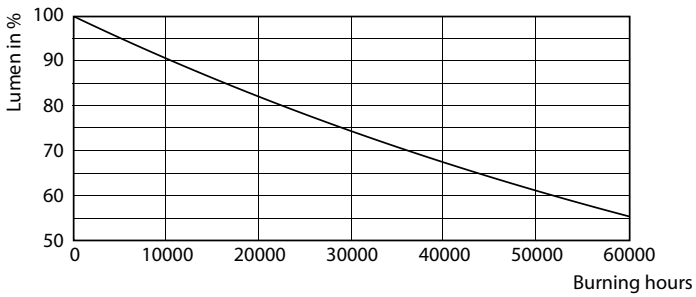
Lifetime





FailureRate

LumenVsTc



Lumen Maintenance Diagram

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