



# CorePro LEDtube EM/ Mains T8



## CorePro LEDtube 1500mm UO 31.5W 865 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]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	3,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

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Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.9
Photobiological safety according to EN 62471	RG0

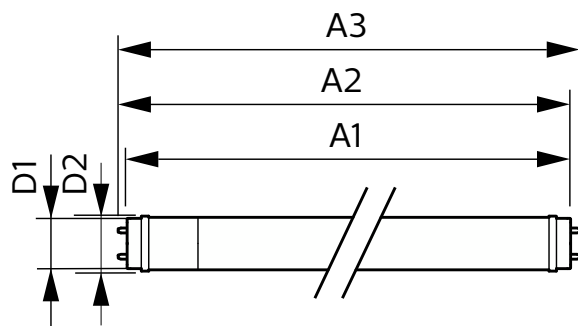
## Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	31.5 W
Lamp Current (Max)	135 mA
Lamp Current (Min)	135 mA
Lamp Current (Nom)	135 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
LED alternative to fluorescent lamp power	58 W
Inrush current at mains	4.98
Max. lamp no. on MCB B type 10A - Mains	55
Max. lamp no. on MCB B type 10A - EM ballast without Comp. Cap.	55
Max. lamp no. on MCB B type 10A - EM ballast with Comp. Cap.	10
Max. lamp no. on MCB B type 16A - Mains	85
Max. lamp no. on MCB B type 16A - EM ballast without Comp. Cap.	85
Max. lamp no. on MCB B type 16A - EM ballast with Comp. Cap.	16
Ballast Compatibility	EM/Mains

## Temperature

Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	55 °C

## Dimensional drawing



## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	T8

## 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	32 kWh
EPREL Registration Number	1384723

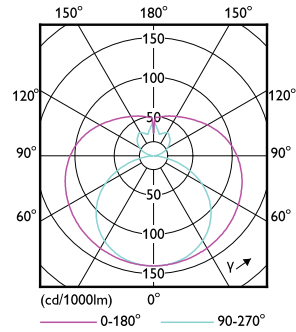
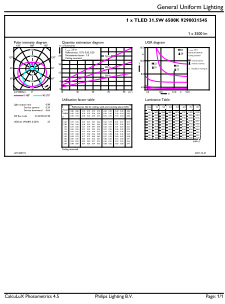
## Product Data

Order product name	CorePro LEDtube 1500mm UO 31.5W 865 T8
Full product name	CorePro LEDtube 1500mm UO 31.5W 865 T8
Full product code	871951441903200
Order code	929003154502
Material Nr. (12NC)	929003154502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514419032
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514419049

Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm UO 31.5W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

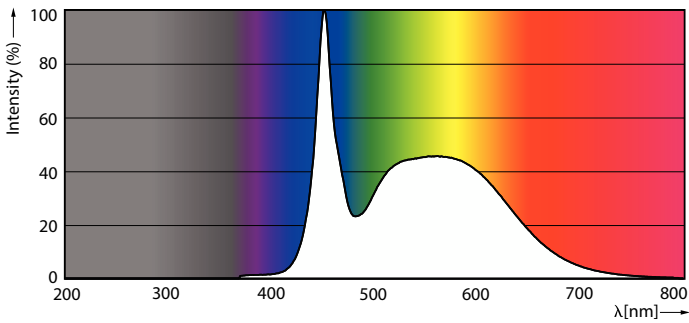
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## Photometric data



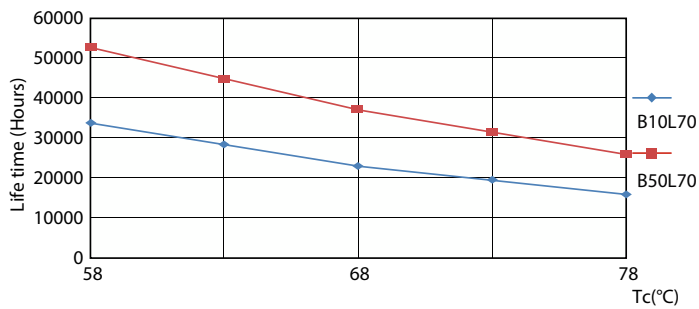
General uniform lighting - CorePro LEDtube 1500mm UO 31.5W 865 T8

Light Distribution Diagram - CorePro LEDtube 1500mm UO 31.5W 865 T8

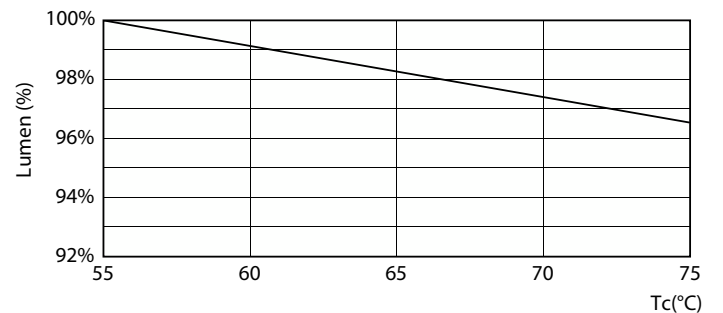


Spectral Power Distribution Colour - CorePro LEDtube 1500mm UO 31.5W 865 T8

## Lifetime



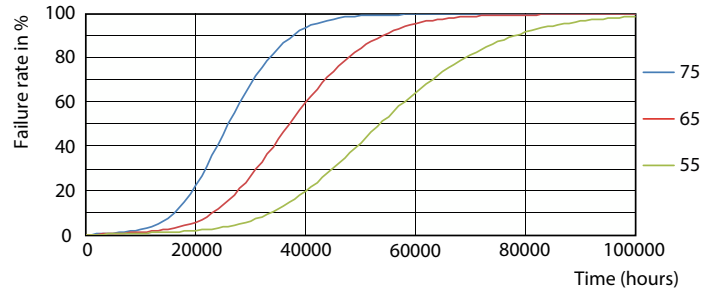
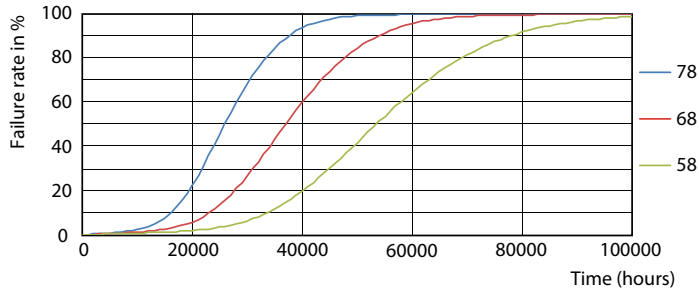
Life Expectancy Diagram - CorePro LEDtube 1500mm UO 31.5W 865 T8



Lumen Maintenance Diagram - CorePro LEDtube 1500mm UO 31.5W 865 T8

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