# **PHILIPS** Lighting

# CorePro LEDtube EM/ Mains T8

# CorePro LEDtube 1200mm 17.6W 865 T8 AU

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**

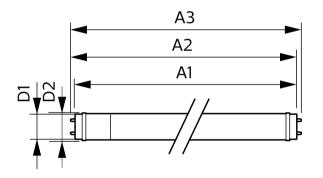
General Information		Color Designation	Cool Daylight
Lighting Technology	LED	Correlated Color Temperature (Nom)	6500 K
Switching Cycle	200,000	Luminous Efficacy (rated) (Nom)	102.00 lm/W
Nominal lifetime	30,000 hour(s)	Color Consistency	<6
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical			
Color Code	865 [CCT of 6500K]	Operating and Electrical	
Beam Angle (Nom)	240 degree(s)	Line Frequency	50 to 60 Hz
Luminous Flux	1,800 lumen	Input Frequency	50 to 60 Hz

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Power Consumption	17.6 W	
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	Tube, double-ended	

Approval and Application		
Energy Saving Product	Yes	
Approval Marks	RoHS compliance KEMA Keur certificate	
EU RoHS compliant	Yes	
Product Data		
Full product code	871951444721900	
Order product name	CorePro LEDtube 1200mm 17.6W 865 T8 AU	
Order code	929003520419	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	10	
Material number (12NC)	929003520419	
Full product name	CorePro LEDtube 1200mm 17.6W 865 T8 AU	
EAN/UPC - Case	8719514447226	

#### Dimensional drawing



# CorePro LEDtube 1200mm 17.6W 865 25.7 mm 28 mm 1,198 mm 1,205 mm 1,212 mm T8 AU

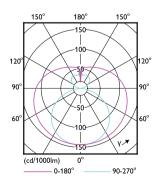
D2

**A**1

A2

A3

D1



Product

Light Distribution Diagram - CorePro LEDtube 1200mm 17.6W 865 T8 AU

# Distributed by: Reduction Revolution Pty Ltd www.reductionrevolution.com.au/LED



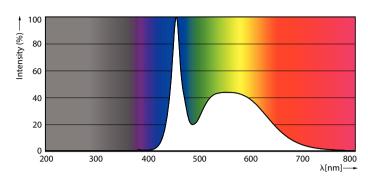
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General uniform lighting - CorePro LEDtube 1200mm 17.6W 865 T8 AU

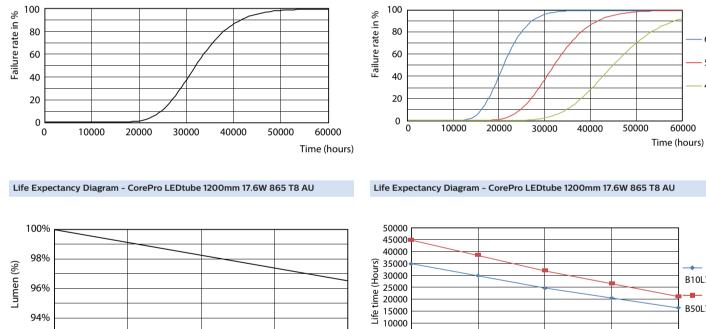
## **CorePro LEDtube EM/Mains T8**

Photometric data



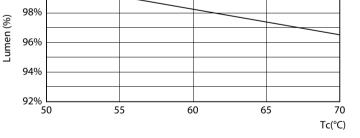
Spectral Power Distribution Colour - CorePro LEDtube 1200mm 17.6W 865 T8 AU

#### Lifetime



10000 5000

> 0 40



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 17.6W 865 T8 AU

Life Expectancy Diagram - CorePro LEDtube 1200mm 17.6W 865 T8 AU

50

60

50

40

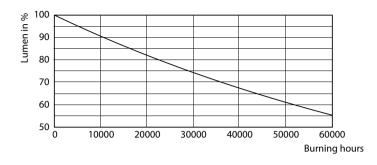
B10L70

B50L70

60 Tc(°C)

## CorePro LEDtube EM/Mains T8

Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 17.6W 865 T8 AU



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