PHILIPS

Lighting

PHILIPS

CorePro LEDtube EM/ Mains T8



CorePro LEDtube 1200mm HO 18W 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

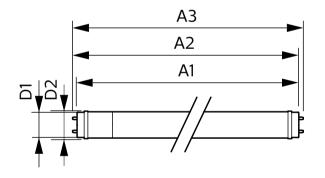
eneral Information		Luminous Flux	2,000 lumen
ghting Technology	LED	Color Designation	Cool White (CW)
measurement reference	Sphere	Correlated Color Temperature (Nom)	4000 K
ching Cycle	200,000	Luminous Efficacy (rated) (Nom)	111 lm/W
ninal lifetime	50,000 hour(s)	Color Consistency	<6
o-Base	G13 [Medium Bi-Pin Fluorescent]	Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (No	om) 70 %
ght Technical		Flickering value (PstLM)	2
olor Code	840 [CCT of 4000K]	Stroboscopic effect value (SVM)	2
eam Angle (Nom)	240 degree(s)		

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Operating and Electrical		
Line Frequency	50 to 60 Hz	
Input Frequency	50 to 60 Hz	
Power Consumption	18 W	
Lamp Current (Nom)	90 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	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	18 kWh
EPREL Registration Number	1384712
CE mark	Yes
EU RoHS compliant	Yes
Product Data	
Full product code	871869680613500
Order product name	CorePro LEDtube 1200mm HO 18W 840 T8
Order code	929001874902
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001874902
Full product name	CorePro LEDtube 1200mm HO 18W 840 T8
EAN/UPC - Case	8718696806142

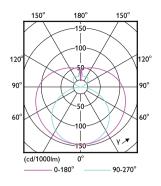
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm HO 18W	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
840 T8					

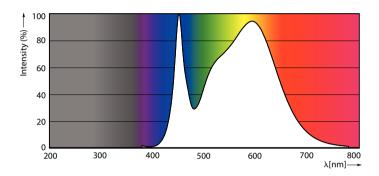
CorePro LEDtube EM/Mains T8

Photometric data



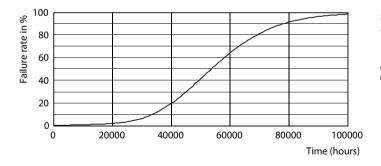
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Martin II		

Light Distribution Diagram - CorePro LEDtube 1200mm HO 18W 840 T8



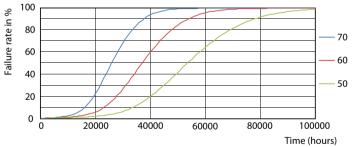
Spectral Power Distribution Colour - CorePro LEDtube 1200mm HO 18W 840 T8

Lifetime





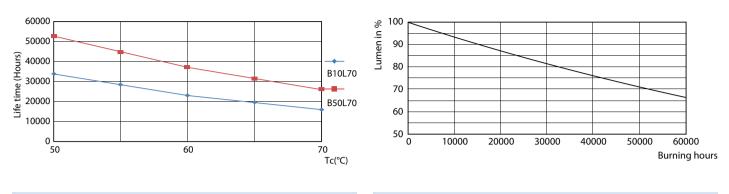
General uniform lighting - CorePro LEDtube 1200mm HO 18W 840 T8



Life Expectancy Diagram - CorePro LEDtube 1200mm HO 18W 840 T8

CorePro LEDtube EM/Mains T8

Lifetime



Life Expectancy Diagram - CorePro LEDtube 1200mm HO 18W 840 T8

Lumen Maintenance Diagram - CorePro LEDtube 1200mm HO 18W 840 T8



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www.lighting.philips.com 2023, July 6 - data subject to change