CorePro LEDtube EM/ Mains T8

CorePro LEDtube 600mm HO 8W 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]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)

Luminous Flux	900 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	112 lm/W
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

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Input Frequency	50 to 60 Hz
Power Consumption	8 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 ℃ to 45 ℃
T–Case Maximum (Nom)	45 ℃

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	Tube, double–ended

Approval and Application

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Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1,384,720
CE mark	Yes
EU RoHS compliant	Yes

Product Data

Full product code	871951442103500
Order product name	CorePro LEDtube 600mm HO 8W 840 T8
Order code	929003158602
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	20
Material number (12NC)	929003158602
Full product name	CorePro LEDtube 600mm HO 8W 840 T8
EAN/UPC – Case	8719514421042

Dimensional drawing
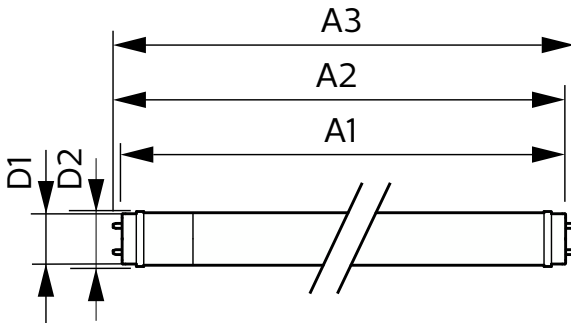
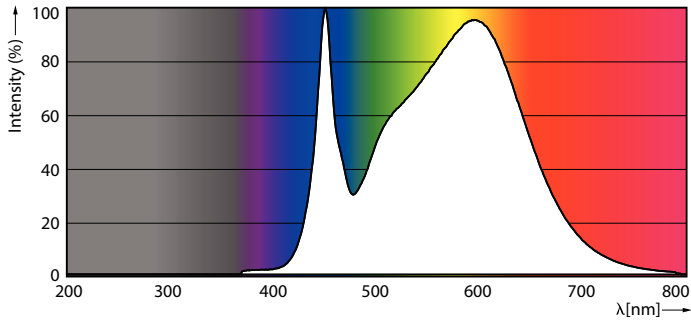| Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm HO 8W 840 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

Photometric data
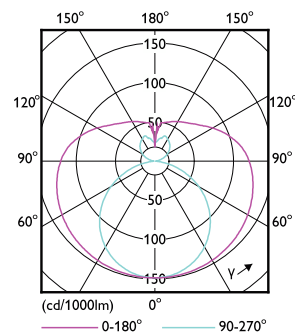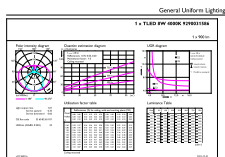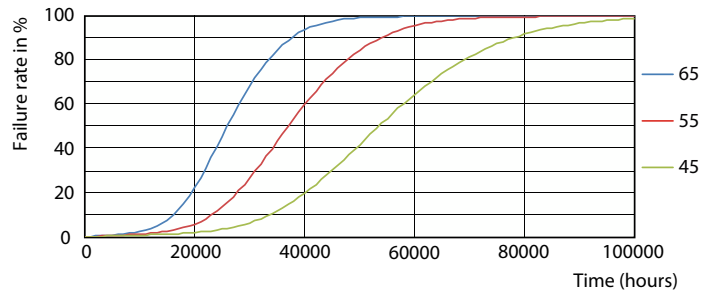

Light Distribution Diagram – CorePro LEDtube 600mm HO 8W 840 T8
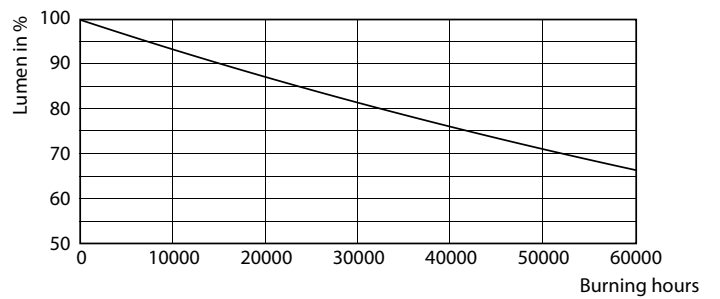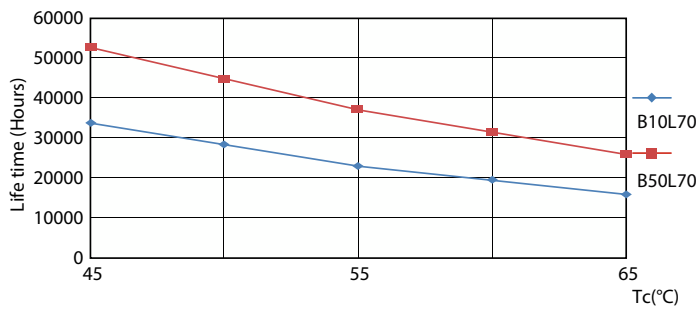
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Lifetime

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