PHILIPS

Lighting

CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1500mm HO 24W 840 T8

The CorePro LEDtube is an affordable LED solution suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

Warnings and Safety

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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	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,700 lm
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 %
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	24 W
Lamp Current (Nom)	120 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
Ballast Compatibility	EM/Mains

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

Controls and Dimming	
Dimmable	No

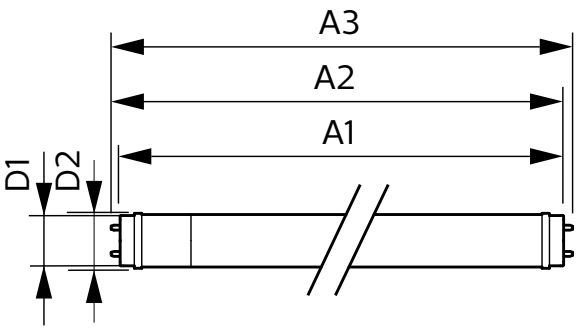
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	T8

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	24 kWh
EPREL Registration Number	1384714

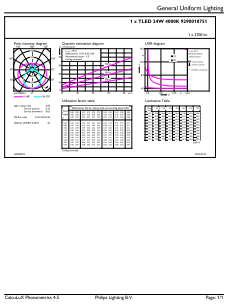
Product Data	
Order product name	CorePro LEDtube 1500mm HO 24W 840 T8
Full product name	CorePro LEDtube 1500mm HO 24W 840 T8
Full product code	871869680617300
Order code	929001875102
Material Nr. (12NC)	929001875102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696806173
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696806180

Dimensional drawing

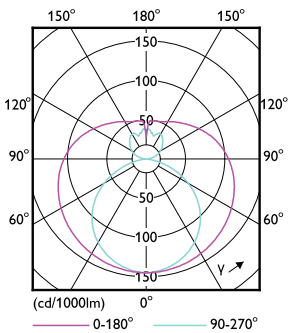


Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm HO 24W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



General uniform lighting - CorePro LEDtube 1500mm HO 24W 840 T8



Light Distribution Diagram - CorePro LEDtube 1500mm HO 24W 840 T8

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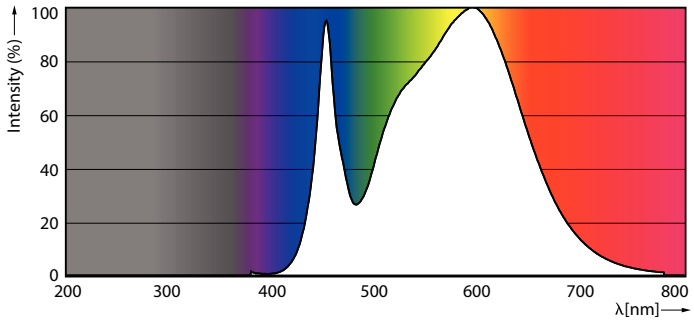
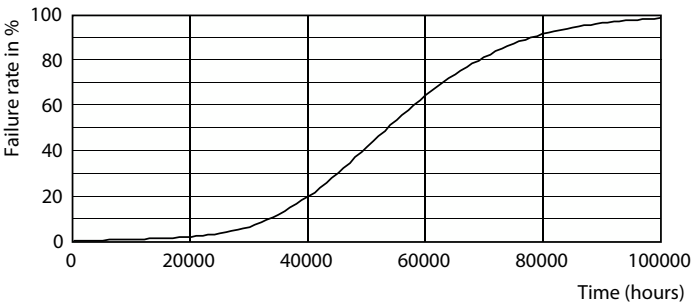
Photometric data

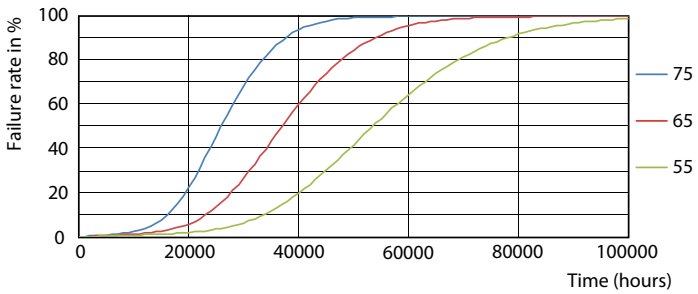


Spectral Power Distribution Colour - CorePro LEDtube 1500mm HO 24W 840 T8

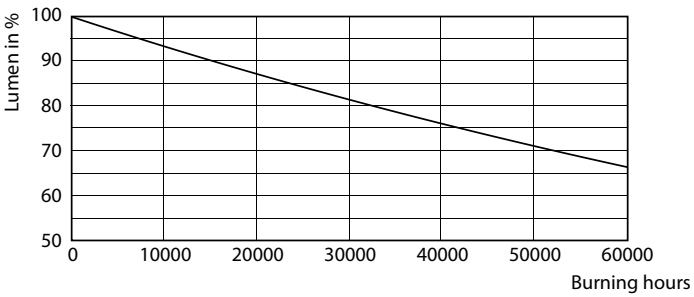
Lifetime



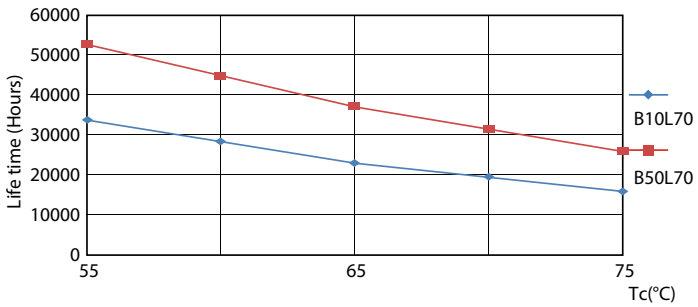
Life Expectancy Diagram - CorePro LEDtube 1500mm HO 24W 840 T8



Life Expectancy Diagram - CorePro LEDtube 1500mm HO 24W 840 T8



Lumen Maintenance Diagram - CorePro LEDtube 1500mm HO 24W 840 T8



Life Expectancy Diagram - CorePro LEDtube 1500mm HO 24W 840 T8

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2023, May 15 - data subject to change