



CorePro LED tube Universal T8



CorePro LEDtube UN 1500mm UO 23W840 T8

The new Philips CorePro LEDtube Universal T8 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips CorePro LEDtube Universal T8 directly fits in luminaires operating either on Electro Magnetic ballasts or HF Electronic ballasts or mains power connection. So simple to operate and no need to carry double stock of products! Perfectly safe, reliable & easy to install Philips CorePro LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to save energy and lower investment.

Product data

General Information		Photobiological safety according to EN 62471	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	RG0	
Nominal lifetime	50,000 hour(s)	Operating and Electrical	
Switching Cycle	50,000	Line Frequency	50 to 60 Hz
Lighting Technology	LED	Input Frequency	50 to 60 Hz
Flux measurement reference	Sphere	Power Consumption	23 W
Light Technical		Lamp Current (Max)	106 mA
Color Code	840 [CCT of 4000K]	Lamp Current (Min)	106 mA
Beam Angle (Nom)	240 degree(s)	Lamp Current (Nom)	106 mA
Luminous Flux	3,500 lm	Starting Time (Nom)	0.5 s
Color Designation	Cool White (CW)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9
Luminous Efficacy (rated) (Nom)	152 lm/W	Voltage (Nom)	220-240 V
Color Consistency	<6	Ballast Compatibility	Universal
Color rendering index (CRI)	80	LED alternative to fluorescent lamp power	58 W
LLMF At End Of Nominal Lifetime (Nom)	70 %	Inrush current at mains	10.4
		Max. lamp no. on MCB B type 10A - Mains	73

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Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	73
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	15
Max. lamp no. on MCB B type 16A – Mains	116
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	116
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25

Temperature

T-Case Maximum (Nom)	55 °C
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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
Net Weight (Piece)	0.255 kg

Approval and Application

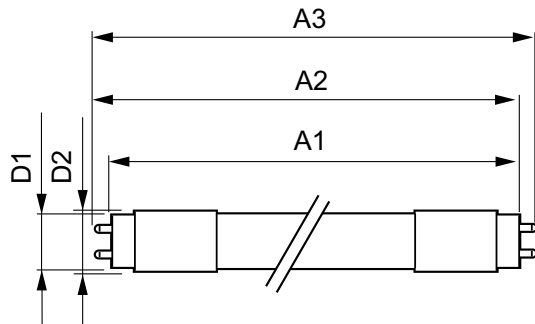
Energy Efficiency Class	D
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Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	23 kWh
EPREL Registration Number	1552697
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

Product Data

Order product name	CorePro LEDtube UN 1500mm UO 23W840 T8
Full product name	CorePro LEDtube UN 1500mm UO 23W840 T8
Full product code	872016920004300
Order code	929003648502
Material Nr. (12NC)	929003648502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169200043
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169200050

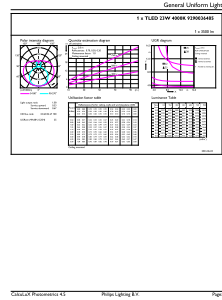
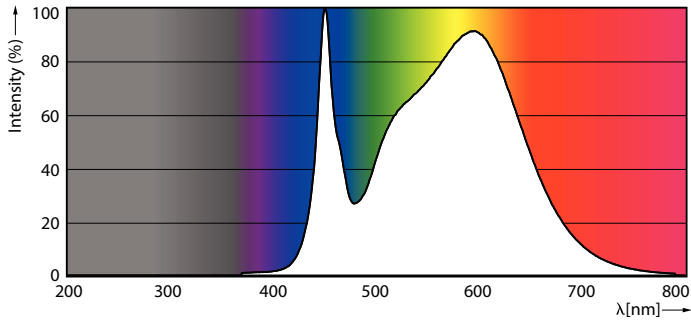
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 1500mm UO 23W840 T8	26 mm	28 mm	1,500 mm	1,506 mm	1,514 mm

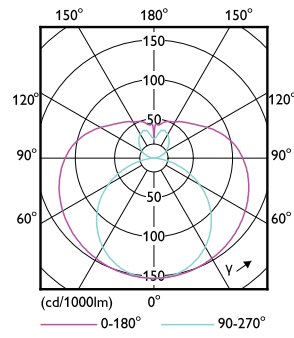
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Photometric data



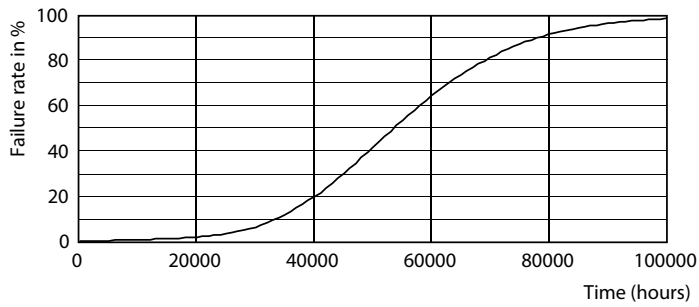
Spectral Power Distribution Colour - CorePro LEDtube UN 1500mm UO 23W840 T8

General uniform lighting - CorePro LEDtube UN 1500mm UO 23W840 T8

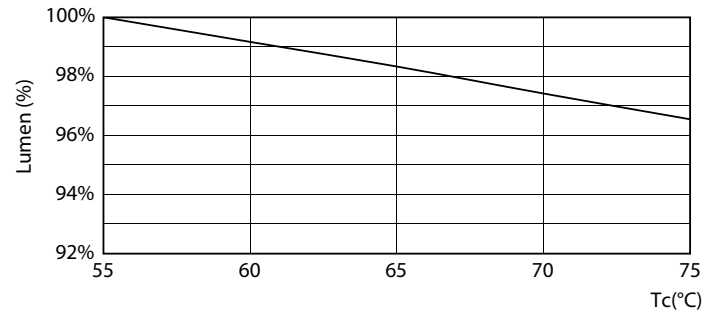


Light Distribution Diagram - CorePro LEDtube UN 1500mm UO 23W840 T8

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - CorePro LEDtube UN 1500mm UO 23W840 T8

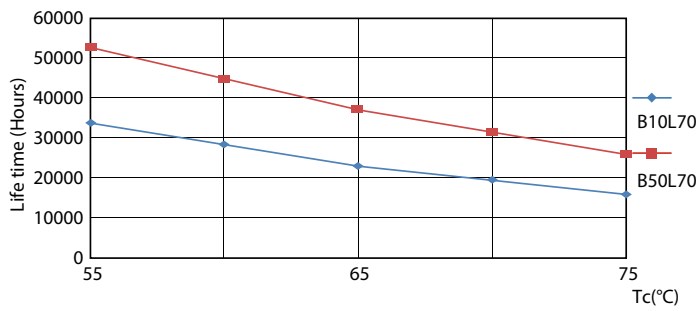
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Lifetime



FailureRate

Lumen Maintenance Diagram - CorePro LEDtube UN 1500mm UO 23W840 T8



LifetimeVsTc

