



# CorePro LED tube Universal T8



## CorePro LEDtube UN 1500mm HO 23W840 T8

CorePro, LEDtube, T8, Universal, 1500 mm, 23 W, 58W TL-D, 4000 K, 2700 lm, CRI 80, 50000 h

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		Operating and Electrical	
Cap base	G13	Correlated Colour Temperature (Nom)	4000 K
Nominal lifetime	50,000 h	Luminous efficacy (rated) (nom.)	117 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LEDtube	Colour rendering index (CRI)	80
Flux measurement reference	Sphere	LLMF at end of nominal lifetime (nom.)	70 %
Warranty period	3 years	Photobiological safety according to EN 62471	RG0
Light Technical		Line Frequency	50 to 60 Hz
Colour Code	840 [CCT of 4000K]	Input frequency	50 to 60 Hz
Beam angle (nom.)	240 degree(s)	Power Consumption	23 W
Luminous Flux	2,700 lm	Lamp current (nom.)	130 mA
Colour designation	Cool White (CW)	Starting time (nom.)	0.5 s

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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	58W TL-D
Inrush current at mains	9.6
Max. lamp no. on MCB B type 10A – Mains	80
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	80
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	16
Max. lamp no. on MCB B type 16A – Mains	128
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	128
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25
Ballast Compatibility	Universal

## Temperature

T-Case maximum (nom.)	60 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	1,500 mm
Bulb shape	T8
Net Weight (Piece)	0.270 kg

## Approval and Application

Energy Efficiency Class	E
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Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	23 kWh
EPREL Registration Number	1932579
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

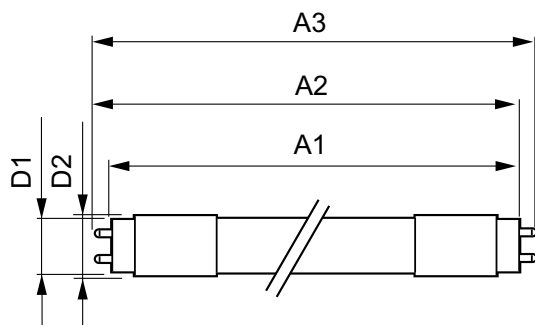
## Application Conditions

Can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

## Product Data

Order product name	CorePro LEDtube UN 1500mm HO 23W840 T8
Full product name	CorePro LEDtube UN 1500mm HO 23W840 T8
Full EOC	871869680174100
Order code	929001869602
Material no. (12 NC)	929001869602
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696801741
Numerator – packs per outer box	10
EAN/UPC – Case	8718696801758

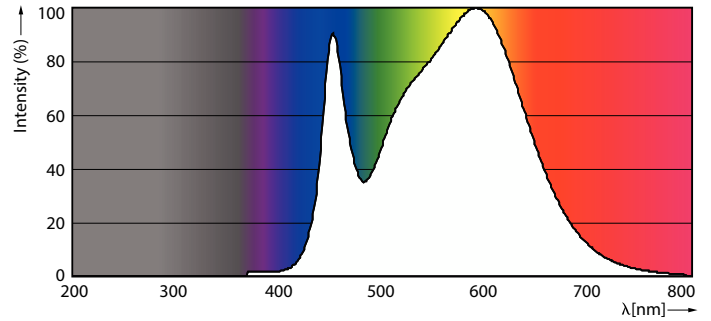
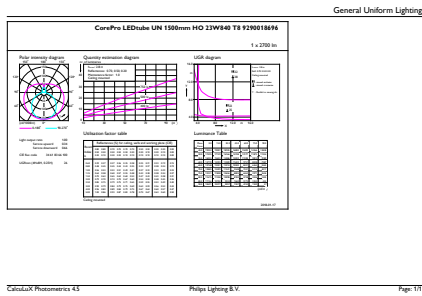
## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 1500mm HO 23W840 T8	27.9 mm	28 mm	1,500 mm	1,505.9 mm	1,514.2 mm

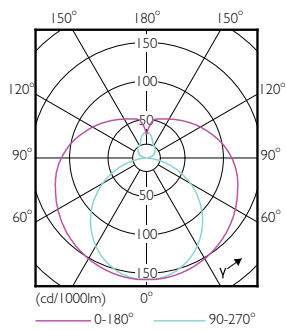
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## Photometric data



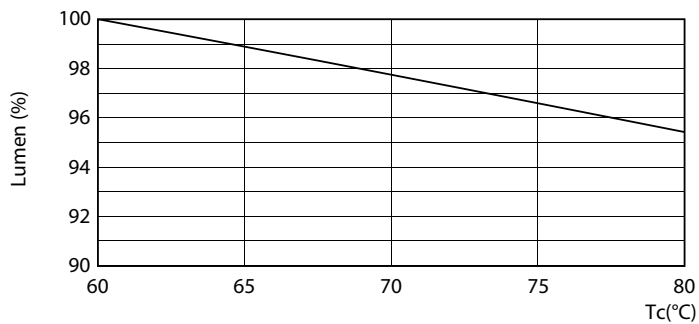
General uniform lighting - CorePro LEDtube UN 1500mm HO 23W840 T8

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

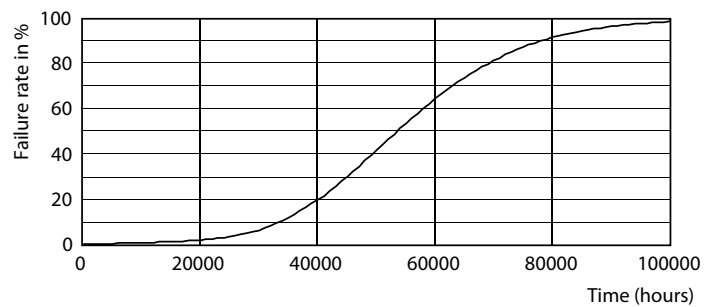


Light Distribution Diagram - CorePro LEDtube UN 1500mm HO 23W840 T8

## Lifetime



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



Life Expectancy Diagram

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## Lifetime



LifetimeVsTc

FailureRate



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

