



# CorePro LED tube Universal T8



## CorePro LEDtube UN 1200mm HO 18W830 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	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000
Flux measurement reference	Sphere
Tier	CorePro

Light technical	
Color Code	830 [ CCT of 3000K]
Beam Angle (Nom)	240 °
Luminous Flux (Nom)	1850 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	102.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80

LLMF At End Of Nominal Lifetime (Nom) 70 %	
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Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	18 W
Lamp Current (Nom)	100 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	220-240 V

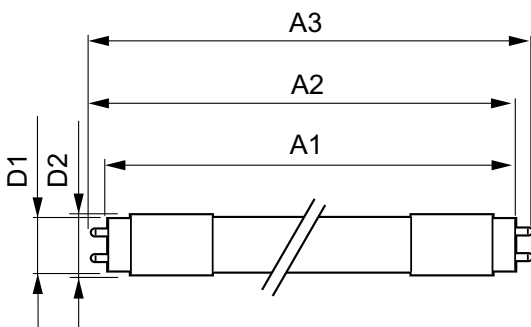
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

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T-Case Maximum (Nom)	55 °C
<b>Controls and dimming</b>	
Dimmable	No
<b>Mechanical and housing</b>	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1200 mm
Bulb Shape	Tube, double-ended
<b>Approval and application</b>	
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	403580
<b>Product data</b>	
Full product code	871869680166600
Order product name	CorePro LEDtube UN 1200mm HO 18W830 T8
EAN/UPC - Product	8718696801666
Order code	929001869202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001869202
Net Weight (Piece)	0.270 kg

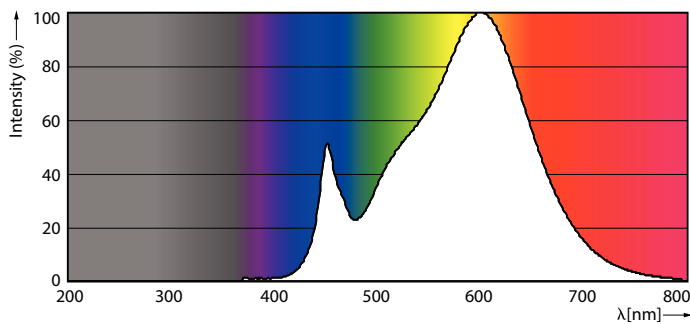
## Dimensional drawing



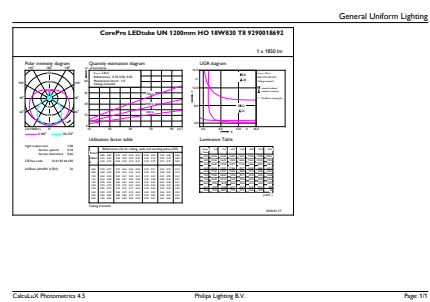
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Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 1200mm HO 18W830 T8	27.9 mm	28 mm	1199.4 mm	1205.3 mm	1213.6 mm

## Photometric data



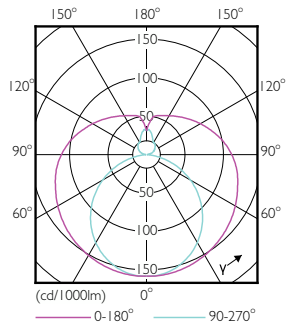
Spectral Power Distribution Colour



General uniform lighting

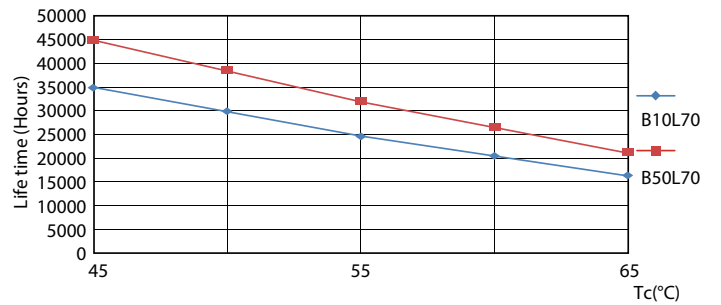
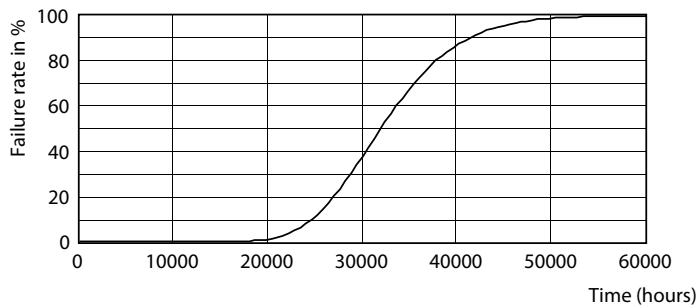
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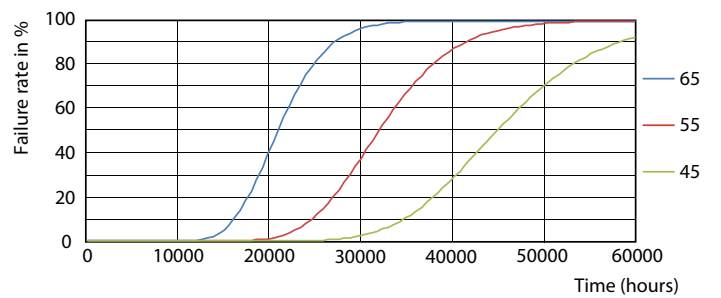
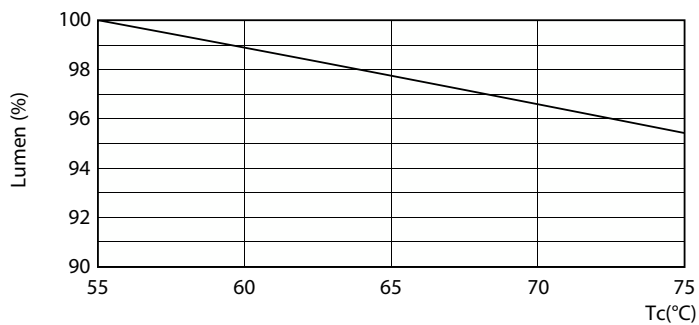
Light Distribution Diagram

## Lifetime



Life Expectancy Diagram

LEDtube COR SLR 18W 30K LifetimeVsTc-LED-LED



LumenVsTc

LEDtube COR SLR 18W 30K FailureRate-LED-LED

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## Lifetime



Lumen Maintenance Diagram

