



# CorePro LED tube Universal T8

## CorePro LEDtube UN 1200mm HO 18W840 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]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,000 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Nom)	100 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

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

LLMF At End Of Nominal Lifetime (Nom)	70 %
---------------------------------------	------

# CorePro LED tube Universal T8

## Controls and Dimming

Dimmable	No
----------	----

## Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

## Approval and Application

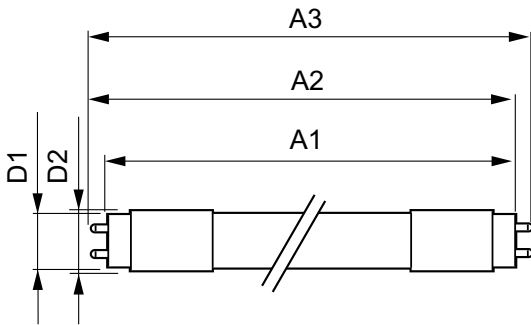
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1,315,788

CE mark	Yes
EU RoHS compliant	Yes

## Product Data

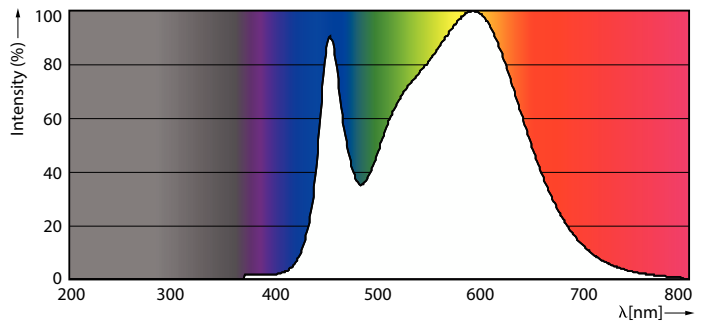
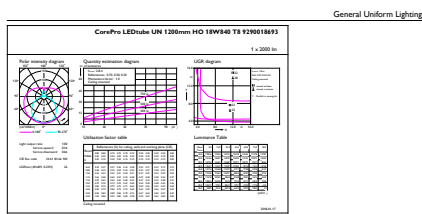
Full product code	871869680168000
Order product name	CorePro LEDtube UN 1200mm HO 18W840 T8
Order code	929001869302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001869302
Net weight	0.215 kg
Full product name	CorePro LEDtube UN 1200mm HO 18W840 T8
EAN/UPC - Case	8718696801697

## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 1200mm HO 18W840 T8	27.9 mm	28 mm	1,199.4 mm	1,205.3 mm	1,213.6 mm

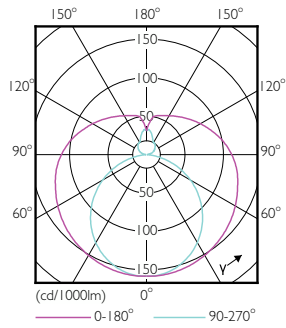
## Photometric data



Spectral Power Distribution Colour

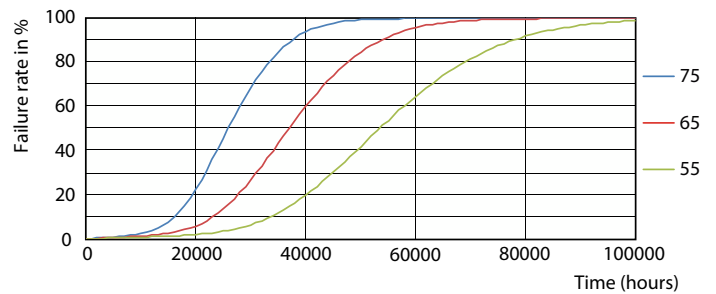
# CorePro LED tube Universal T8

## Photometric data



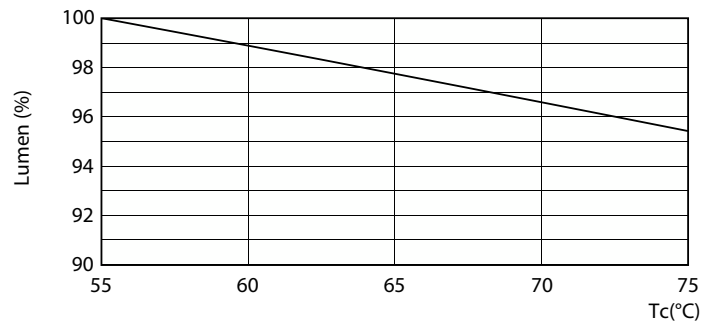
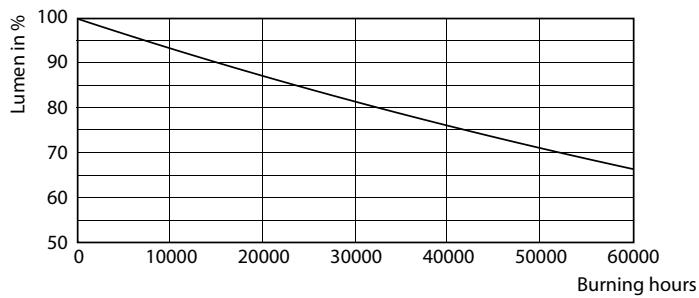
Light Distribution Diagram

## Lifetime



Life Expectancy Diagram - CorePro LEDtube UN 1200mm HO 18W840 T8

Life Expectancy Diagram

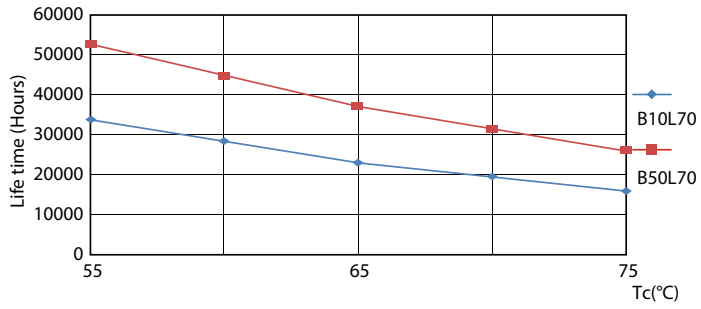


Lumen Maintenance Diagram - CorePro LEDtube UN 1200mm HO 18W840 T8

Lumen Maintenance Diagram

# CorePro LED tube Universal T8

## Lifetime



### Life Expectancy Diagram

