



CorePro LED tube EM/ Mains T8

CorePro LEDtube HO 1200mm 18W865 VWV T8

CorePro, LEDtube, T8, Mains, Single-ended, 1200 mm, 100-277 V, 18 W, 36W TL-D, 6500 K, 2100 lm, CRI 80, 40000 hour(s)

Philips CorePro LEDtubes are the quick and easy way to replace T8 fluorescent or other LED tubes with a fast pack back time. Not only does the Core range of LEDtubes require a low initial investment, but LED energy efficiency also delivers instant savings that you can bank on over a long and reliable lifetime. Plus, with the same lamp size and light distribution as fluorescent alternatives, you'll never know the difference. There are two ways to install these LED tubes: Rewire your existing fluorescent-based luminaires so the CorePro LEDtubes work directly on the Mains. Or simply change the fluorescent starter to an LED starter that can be used with your Electromagnetic ballasts.

Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.
- Installation must be done according to the installation diagrams provided with the lamp or available online. Installation must be done by a certified professional.

Product data

General Information		Warranty period	
Cap-Base	G13	3 years	
Nominal lifetime	40,000 hour(s)	Light Technical	
Switching Cycle	200,000	Color Code	865 [CCT of 6500K]
Lighting Technology	LEDtube	Beam Angle (Nom)	240 degree(s)
		Luminous Flux	2,100 lm

CorePro LED tube EM/Mains T8

Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	116 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Sustainability Data

Product non-virgin material ratio	0 %
-----------------------------------	-----

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Max)	209 mA
Lamp Current (Min)	69 mA
Wattage Equivalent	36 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	100-277 V
LED alternative to fluorescent lamp power	36W TL-D
Ballast Compatibility	Mains

Temperature

T-Case Maximum (Nom)	60 °C
----------------------	-------

Controls and Dimming

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

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.220 kg

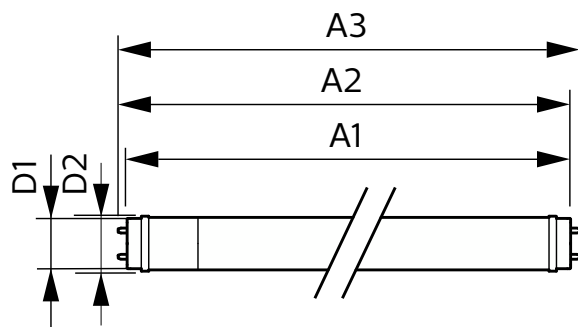
Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C
Post-consumer recycled plastic material ratio	0 %

Product Data

Order product name	CorePro LEDtube HO 1200mm 18W865 VVW T8
Full product name	CorePro LEDtube HO 1200mm 18W865 VVW T8
Full product code	871951445312800
Order code	929003534911
Material Nr. (12NC)	929003534911
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514453128
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514453135

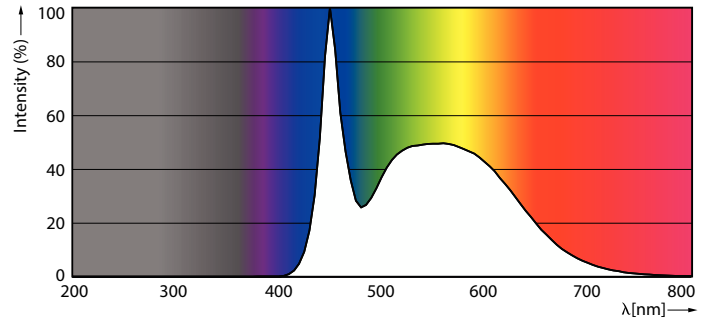
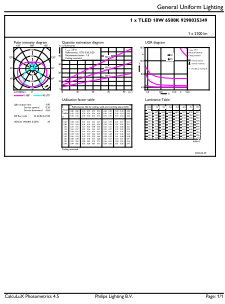
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube HO 1200mm 18W865 VVW T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

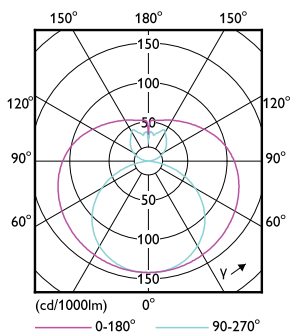
CorePro LED tube EM/Mains T8

Photometric data



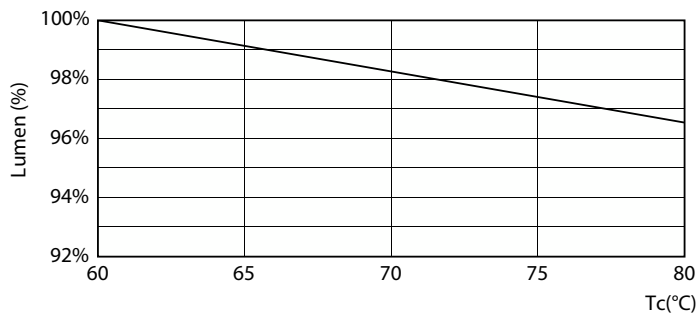
General uniform lighting - CorePro LEDtube HO 1200mm 18W865 VWV T8

Spectral Power Distribution Colour - CorePro LEDtube HO 1200mm 18W865 VWV T8

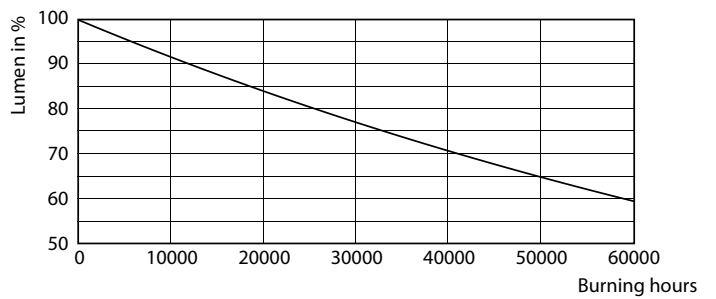


Light Distribution Diagram - CorePro LEDtube HO 1200mm 18W865 VWV T8

Lifetime



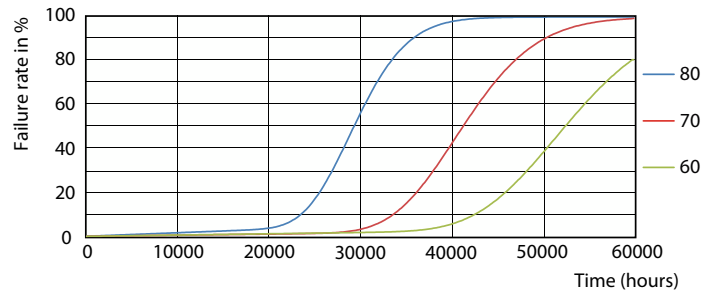
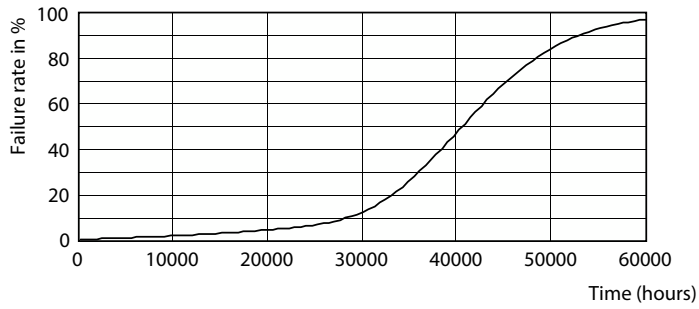
Lumen Maintenance Diagram - CorePro LEDtube HO 1200mm 18W865 VWV T8



Lumen Maintenance Diagram - CorePro LEDtube HO 1200mm 18W865 VWV T8

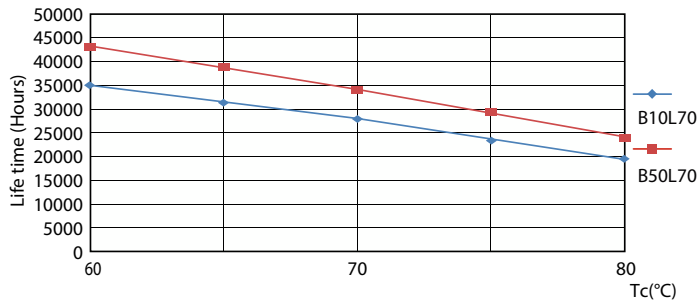
CorePro LED tube EM/Mains T8

Lifetime



Life Expectancy Diagram

FailureRate-LED



LifetimeVsTc-LED

