



The new generation of universal T8 LEDtube lighting

CorePro LED tube Universal 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.

Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to a longer lifetime than conventional lamps
- Fastest and easiest way to upgrade existing luminaires to LED technology; completely safe product and installation process

Features

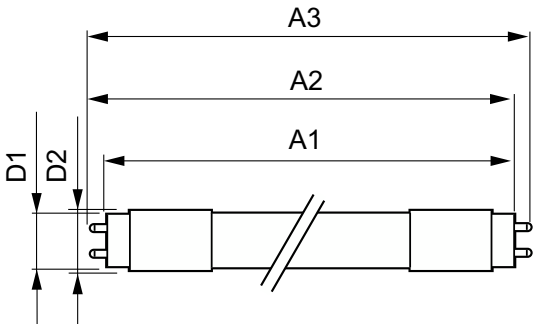
- Replacement of existing T8 lamps on both EM/HF ballast and mains power connection installation
- Energy savings compared with fluorescent tubes
- InstantFit technology for largest ballast compatibility
- Enable implementation of HACCP, supported by product level NSF certificate
- No mercury

Application

- Offices, shops, classrooms

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Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube UN 1200mm HO 18W830 T8	27.9 mm	28 mm	1,199.4 mm	1,205.3 mm	1,213.6 mm
CorePro LEDtube UN 1200mm HO 18W840 T8	27.9 mm	28 mm	1,199.4 mm	1,205.3 mm	1,213.6 mm
CorePro LEDtube UN 1200mm HO 18W865 T8	27.9 mm	28 mm	1,199.4 mm	1,205.3 mm	1,213.6 mm
CorePro LEDtube UN 1500mm HO 23W830 T8	27.9 mm	28 mm	1,500 mm	1,505.9 mm	1,514.2 mm
CorePro LEDtube UN 1500mm HO 23W840 T8	27.9 mm	28 mm	1,500 mm	1,505.9 mm	1,514.2 mm
CorePro LEDtube UN 1500mm HO 23W865 T8	27.9 mm	28 mm	1,500 mm	1,505.9 mm	1,514.2 mm
CorePro LEDtube UN 600mm HO 8W830 T8	25.7 mm	28 mm	588.6 mm	595.7 mm	602.8 mm
CorePro LEDtube UN 600mm HO 8W840 T8	25.7 mm	28 mm	588.6 mm	595.7 mm	602.8 mm
CorePro LEDtube UN 600mm HO 8W865 T8	25.7 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

General Information	
Cap base	G13
Switching Cycle	50,000
Nominal lifetime	50,000 h
Light Technical	
Beam angle (nom.)	240 degree(s)
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting time (nom.)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	T8
Approval and Application	
Ambient temperature range	-20 to +45 °C

Light Technical

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Code	Luminous Flux
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	3000 K	830	1,850 lm
80168000	CorePro LEDtube UN 1200mm HO 18W840 T8	4000 K	840	2,000 lm
80170300	CorePro LEDtube UN 1200mm HO 18W865 T8	6500 K	865	2,000 lm
80172700	CorePro LEDtube UN 1500mm HO 23W830 T8	3000 K	830	2,500 lm
80174100	CorePro LEDtube UN 1500mm HO 23W840 T8	4000 K	840	2,700 lm
80176500	CorePro LEDtube UN 1500mm HO 23W865 T8	6500 K	865	2,700 lm
78277100	CorePro LEDtube UN 600mm HO 8W830 T8	3000 K	830	850 lm
78279500	CorePro LEDtube UN 600mm HO 8W840 T8	4000 K	840	900 lm
78281800	CorePro LEDtube UN 600mm HO 8W865 T8	6500 K	865	900 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	18 W	80168000	CorePro LEDtube UN 1200mm HO 18W840 T8	18 W

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Order Code	Full Product Name	Power Consumption
80170300	CorePro LEDtube UN 1200mm HO 18W865 T8	18 W
80172700	CorePro LEDtube UN 1500mm HO 23W830 T8	23 W
80174100	CorePro LEDtube UN 1500mm HO 23W840 T8	23 W
80176500	CorePro LEDtube UN 1500mm HO 23W865 T8	23 W

Order Code	Full Product Name	Power Consumption
78277100	CorePro LEDtube UN 600mm HO 8W830 T8	8 W
78279500	CorePro LEDtube UN 600mm HO 8W840 T8	8 W
78281800	CorePro LEDtube UN 600mm HO 8W865 T8	8 W

Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	55 °C
80168000	CorePro LEDtube UN 1200mm HO 18W840 T8	55 °C
80170300	CorePro LEDtube UN 1200mm HO 18W865 T8	55 °C
80172700	CorePro LEDtube UN 1500mm HO 23W830 T8	60 °C
80174100	CorePro LEDtube UN 1500mm HO 23W840 T8	60 °C

Order Code	Full Product Name	T-Case maximum (nom.)
80176500	CorePro LEDtube UN 1500mm HO 23W865 T8	60 °C
78277100	CorePro LEDtube UN 600mm HO 8W830 T8	45 °C
78279500	CorePro LEDtube UN 600mm HO 8W840 T8	45 °C
78281800	CorePro LEDtube UN 600mm HO 8W865 T8	45 °C

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/ 1,000 hours
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	18 kWh
80168000	CorePro LEDtube UN 1200mm HO 18W840 T8	18 kWh
80170300	CorePro LEDtube UN 1200mm HO 18W865 T8	18 kWh
80172700	CorePro LEDtube UN 1500mm HO 23W830 T8	23 kWh
80174100	CorePro LEDtube UN 1500mm HO 23W840 T8	23 kWh
80176500	CorePro LEDtube UN 1500mm HO 23W865 T8	23 kWh
78277100	CorePro LEDtube UN 600mm HO 8W830 T8	8 kWh
78279500	CorePro LEDtube UN 600mm HO 8W840 T8	8 kWh
78281800	CorePro LEDtube UN 600mm HO 8W865 T8	8 kWh

