



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 longer lifetime than conventional lamps
- Fastest and easiest way to upgrade existing luminaires to LEDtechnology; 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
- No mercury

Application

- Offices, shops, classrooms

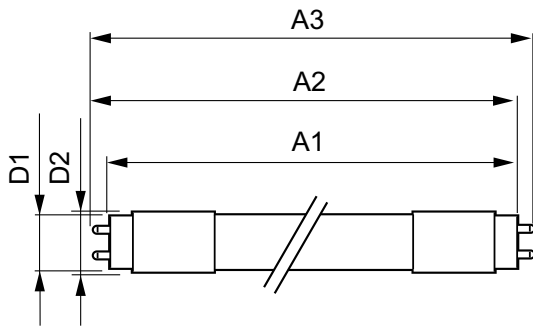
CorePro LED tube Universal T8

Versions



LEDtube G13

Dimensional drawing



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
CorePro LEDtube UN 1500mm HO 23W840 T8	27.9 mm	28 mm	1500 mm	1505.9 mm	1514.2 mm
CorePro LEDtube UN 1200mm HO 18W865 T8	27.9 mm	28 mm	1199.4 mm	1205.3 mm	1213.6 mm
CorePro LEDtube UN 1200mm HO 18W840 T8	27.9 mm	28 mm	1199.4 mm	1205.3 mm	1213.6 mm
CorePro LEDtube UN 1500mm HO 23W830 T8	27.9 mm	28 mm	1500 mm	1505.9 mm	1514.2 mm
CorePro LEDtube UN 1500mm HO 23W865 T8	27.9 mm	28 mm	1500 mm	1505.9 mm	1514.2 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
CorePro LEDtube UN 600mm HO 8W830 T8	25.7 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

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Approval and Application

Energy Efficiency Label (EEL)	A+
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	G13
Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000X
Light Technical	
Beam Angle (Nom)	240 °
Llmf At End Of Nominal Lifetime (Nom)	70 %
Mechanical and Housing	
Bulb Shape	Tube, double-ended
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Case Maximum (Nom)	65 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
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

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	18 W
80168000	CorePro LEDtube UN 1200mm HO 18W840 T8	18 W
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

Order Code	Full Product Name	Power (Rated) (Nom)
80176500	CorePro LEDtube UN 1500mm HO 23W865 T8	23 W
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

Light Technical

Order Code	Full Product Name	Color Code	Correlated		
			Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	830	3000 K	80	1850 lm

Order Code	Full Product Name	Color Code	Correlated		
			Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)
80168000	CorePro LEDtube UN 1200mm HO 18W840 T8	840	4000 K	80	2000 lm

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Order Code	Full Product Name	Correlated			
		Color Code	Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)
80170300	CorePro LEDtube UN 1200mm HO 18W865 T8	865	6500 K	80	2000 lm
80172700	CorePro LEDtube UN 1500mm HO 23W830 T8	830	3000 K	80	2500 lm
80174100	CorePro LEDtube UN 1500mm HO 23W840 T8	840	4000 K	80	2700 lm
80176500	CorePro LEDtube UN 1500mm HO 23W865 T8	865	6500 K	80	2700 lm

Order Code	Full Product Name	Correlated			
		Color Code	Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)
78277100	CorePro LEDtube UN 600mm HO 8W830 T8	830	3000 K	83	850 lm
78279500	CorePro LEDtube UN 600mm HO 8W840 T8	840	4000 K	83	900 lm
78281800	CorePro LEDtube UN 600mm HO 8W865 T8	865	6500 K	83	900 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	-
80168000	CorePro LEDtube UN 1200mm HO 18W840 T8	-
80170300	CorePro LEDtube UN 1200mm HO 18W865 T8	-
80172700	CorePro LEDtube UN 1500mm HO 23W830 T8	-
80174100	CorePro LEDtube UN 1500mm HO 23W840 T8	-
80176500	CorePro LEDtube UN 1500mm HO 23W865 T8	-
78277100	CorePro LEDtube UN 600mm HO 8W830 T8	Frosted
78279500	CorePro LEDtube UN 600mm HO 8W840 T8	Frosted
78281800	CorePro LEDtube UN 600mm HO 8W865 T8	Frosted

