



# 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 can forget about the driver technology. Thanks to a unique design, the Philips CorePro LEDtube Universal T8 directly fits into luminaires operating either on Electro Magnetic ballasts, HF Electronic ballasts or mains power connections. So simple to operate and no need to carry double stock of products! Perfectly safe, reliable and easy to install, the Philips CorePro LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to save energy and reduce investment.

### Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to a longer lifetime than conventional lamps
- The 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

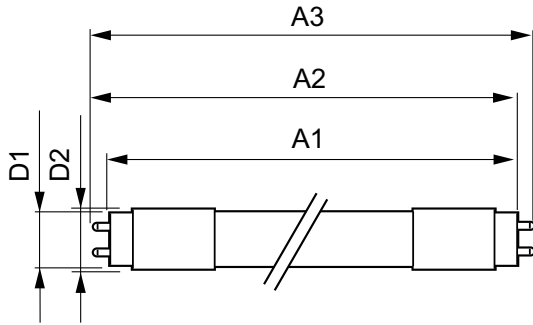
- Offices, shops, classrooms

# CorePro LED tube Universal T8

## Versions



## 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

# CorePro LED tube Universal T8

## 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 50,000X

## 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	Colour Code	Correlated	Colour	Luminous Flux (Nom)
			Temperature (Nom)	Rendering (Nom)	
80166600	CorePro LEDtube UN 1200mm HO 18W830 T8	830	3000 K	80	1850 lm

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

# CorePro LED tube Universal T8

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Colour 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	Colour Code	Correlated Colour Temperature (Nom)	Colour 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

