



# 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 LED technology; completely safe product and installation process

### Features

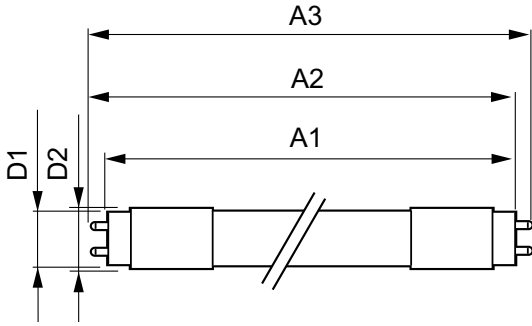
- Replacement of existing T8 lamps on both EM/HF ballast and mains power connection installation
- Energy savings compared with fluorescent tubes
- InstantFit technology for largest ballast compatibility
- No mercury

### 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 1200mm UO 15.5W830 T8	26 mm	28 mm	1,199 mm	1,205 mm	1,213 mm
CorePro LEDtube UN 1200mm UO 15.5W840 T8	26 mm	28 mm	1,199 mm	1,205 mm	1,213 mm
CorePro LEDtube UN 1200mm UO 15.5W865 T8	26 mm	28 mm	1,199 mm	1,205 mm	1,213 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 1500mm UO 23W830 T8	26 mm	28 mm	1,500 mm	1,506 mm	1,514 mm
CorePro LEDtube UN 1500mm UO 23W840 T8	26 mm	28 mm	1,500 mm	1,506 mm	1,514 mm
CorePro LEDtube UN 1500mm UO 23W865 T8	26 mm	28 mm	1,500 mm	1,506 mm	1,514 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

# CorePro LED tube Universal T8

General Information	
Cap-Base	G13
Switching Cycle	50,000
Nominal lifetime	50,000 hour(s)
Light Technical	
Beam Angle (Nom)	240 degree(s)
Color 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	
Bulb Finish	Frosted
Bulb Shape	T8

## Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
929001869202	CorePro LEDtube UN 1200mm HO 18W830 T8	3000 K	830	1,850 lm
929001869302	CorePro LEDtube UN 1200mm HO 18W840 T8	4000 K	840	2,000 lm
929001869402	CorePro LEDtube UN 1200mm HO 18W865 T8	6500 K	865	2,000 lm
929001869502	CorePro LEDtube UN 1500mm HO 23W830 T8	3000 K	830	2,500 lm
929001869602	CorePro LEDtube UN 1500mm HO 23W840 T8	4000 K	840	2,700 lm
929001869702	CorePro LEDtube UN 1500mm HO 23W865 T8	6500 K	865	2,700 lm
929002419802	CorePro LEDtube UN 600mm HO 8W830 T8	3000 K	830	850 lm
929002419902	CorePro LEDtube UN 600mm HO 8W840 T8	4000 K	840	900 lm
929002420002	CorePro LEDtube UN 600mm HO 8W865 T8	6500 K	865	900 lm
929003648102	CorePro LEDtube UN 1200mm UO 15.5W830 T8	3000 K	830	2,200 lm
929003648202	CorePro LEDtube UN 1200mm UO 15.5W840 T8	4000 K	840	2,400 lm
929003648302	CorePro LEDtube UN 1200mm UO 15.5W865 T8	6500 K	865	2,400 lm
929003648402	CorePro LEDtube UN 1500mm UO 23W830 T8	3000 K	830	3,200 lm
929003648502	CorePro LEDtube UN 1500mm UO 23W840 T8	4000 K	840	3,500 lm
929003648602	CorePro LEDtube UN 1500mm UO 23W865 T8	6500 K	865	3,500 lm

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
929001869202	CorePro LEDtube UN 1200mm HO 18W830 T8	-	18 W
929001869302	CorePro LEDtube UN 1200mm HO 18W840 T8	-	18 W
929001869402	CorePro LEDtube UN 1200mm HO 18W865 T8	-	18 W
929001869502	CorePro LEDtube UN 1500mm HO 23W830 T8	-	23 W
929001869602	CorePro LEDtube UN 1500mm HO 23W840 T8	-	23 W
929001869702	CorePro LEDtube UN 1500mm HO 23W865 T8	-	23 W
929002419802	CorePro LEDtube UN 600mm HO 8W830 T8	-	8 W
929002419902	CorePro LEDtube UN 600mm HO 8W840 T8	-	8 W
929002420002	CorePro LEDtube UN 600mm HO 8W865 T8	-	8 W
929003648102	CorePro LEDtube UN 1200mm UO 15.5W830 T8	220 V	15.5 W
929003648202	CorePro LEDtube UN 1200mm UO 15.5W840 T8	220 V	15.5 W
929003648302	CorePro LEDtube UN 1200mm UO 15.5W865 T8	220 V	15.5 W
929003648402	CorePro LEDtube UN 1500mm UO 23W830 T8	220 V	23 W
929003648502	CorePro LEDtube UN 1500mm UO 23W840 T8	220 V	23 W
929003648602	CorePro LEDtube UN 1500mm UO 23W865 T8	220 V	23 W

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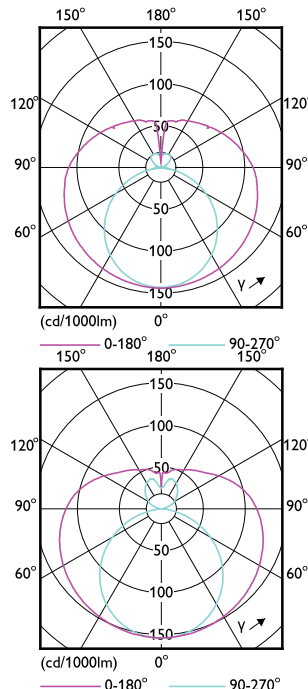
## Temperature

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929001869202	CorePro LEDtube UN 1200mm HO 18W830 T8	-20 °C to 45 °C	55 °C
929001869302	CorePro LEDtube UN 1200mm HO 18W840 T8	-20 °C to 45 °C	55 °C
929001869402	CorePro LEDtube UN 1200mm HO 18W865 T8	-20 °C to 45 °C	55 °C
929001869502	CorePro LEDtube UN 1500mm HO 23W830 T8	-20 °C to 45 °C	60 °C
929001869602	CorePro LEDtube UN 1500mm HO 23W840 T8	-20 °C to 45 °C	60 °C
929001869702	CorePro LEDtube UN 1500mm HO 23W865 T8	-20 °C to 45 °C	60 °C
929002419802	CorePro LEDtube UN 600mm HO 8W830 T8	-20 °C to 45 °C	45 °C
929002419902	CorePro LEDtube UN 600mm HO 8W840 T8	-20 °C to 45 °C	45 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929002420002	CorePro LEDtube UN 600mm HO 8W865 T8	-20 °C to 45 °C	45 °C
929003648102	CorePro LEDtube UN 1200mm UO 15.5W830 T8	-20 to +45 °C	50 °C
929003648202	CorePro LEDtube UN 1200mm UO 15.5W840 T8	-20 to +45 °C	50 °C
929003648302	CorePro LEDtube UN 1200mm UO 15.5W865 T8	-20 to +45 °C	50 °C
929003648402	CorePro LEDtube UN 1500mm UO 23W830 T8	-20 to +45 °C	55 °C
929003648502	CorePro LEDtube UN 1500mm UO 23W840 T8	-20 to +45 °C	55 °C
929003648602	CorePro LEDtube UN 1500mm UO 23W865 T8	-20 to +45 °C	55 °C

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001869202	CorePro LEDtube UN 1200mm HO 18W830 T8	18 kWh
929001869302	CorePro LEDtube UN 1200mm HO 18W840 T8	18 kWh
929001869402	CorePro LEDtube UN 1200mm HO 18W865 T8	18 kWh
929001869502	CorePro LEDtube UN 1500mm HO 23W830 T8	23 kWh
929001869602	CorePro LEDtube UN 1500mm HO 23W840 T8	23 kWh
929001869702	CorePro LEDtube UN 1500mm HO 23W865 T8	23 kWh
929002419802	CorePro LEDtube UN 600mm HO 8W830 T8	8 kWh
929002419902	CorePro LEDtube UN 600mm HO 8W840 T8	8 kWh
929002420002	CorePro LEDtube UN 600mm HO 8W865 T8	8 kWh
929003648102	CorePro LEDtube UN 1200mm UO 15.5W830 T8	16 kWh
929003648202	CorePro LEDtube UN 1200mm UO 15.5W840 T8	16 kWh
929003648302	CorePro LEDtube UN 1200mm UO 15.5W865 T8	16 kWh
929003648402	CorePro LEDtube UN 1500mm UO 23W830 T8	23 kWh
929003648502	CorePro LEDtube UN 1500mm UO 23W840 T8	23 kWh
929003648602	CorePro LEDtube UN 1500mm UO 23W865 T8	23 kWh



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