



The affordable way to install or replace T8 LEDtubes

CorePro LEDtube EM/Mains T8

Philips CorePro LEDtubes are the quick and easy way to replace T8 fluorescent or other LED tubes with a fast pay 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.

Benefits

- Optimized energy savings – about 50% more than fluorescent alternatives
- Easy Installation – retrofit or rewire
- Same look and feel as fluorescent lamps
- Minimize maintenance costs – Last twice as long as fluorescent tubes to reduce replacement costs

Features

- Choice of colors: 4000K and 6500K
- The right fit – 600mm/1200 or 1500mm
- Longer lifetime – Lasts twice as longer as fluorescent lamps
- Wide range of applications

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Application

- Offices
- Banks
- Education
- Food and Large Retailers
- Light Commercial

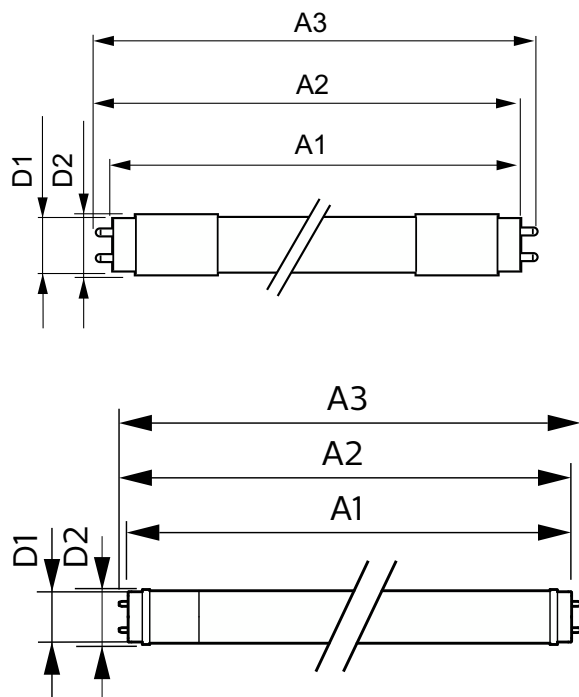
Warnings and Safety

- 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.

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Dimensional drawing

CorePro LEDtube EM/Mains T8



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1800mm 21W 865 T8	25.8 mm	28 mm	1,762.6 mm	1,769.7 mm	1,776.8 mm
CorePro LEDtube 1800mm 21W830 T8	25.8 mm	28 mm	1,762.6 mm	1,769.7 mm	1,776.8 mm

Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 15.5W 830 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm 15.5W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm 15.5W 865 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm HO 18W 830 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm HO 18W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm HO 18W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm HO 18W 865 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm UO 21.5W 830 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm UO 21.5W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm UO 21.5W 865 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1500mm 20W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm 20W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm 20W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm HO 24W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm HO 24W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm HO 24W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm HO 24W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm UO 31.5W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm UO 31.5W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm UO 31.5W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

CorePro LEDtube EM/Mains T8

Dimensional drawing

Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm 8W 830 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm 8W 840 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm 8W 865 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm HO 8W 830 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm HO 8W 840 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm HO 8W 865 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

General Information	
Cap-Base	G13
Switching Cycle	200,000
Nominal lifetime	50,000 hour(s)
Light Technical	
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

		Beam Angle	Correlated Color		
Order Code	Full Product Name	(Nom)	Temperature (Nom)	Color Code	Luminous Flux
929003561802	CorePro LEDtube 1800mm 21W 865 T8	160 degree(s)	6500 K	865	3,100 lm
929003584702	CorePro LEDtube 1800mm 21W830 T8	160 degree(s)	3000 K	830	2,900 lm
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	240 degree(s)	6500 K	865	2,000 lm
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	240 degree(s)	4000 K	840	2,000 lm
929001874932	CorePro LEDtube 1200mm HO 18W 840 T8	240 degree(s)	4000 K	840	2,000 lm
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	240 degree(s)	6500 K	865	2,700 lm
929001875102	CorePro LEDtube 1500mm HO 24W 840 T8	240 degree(s)	4000 K	840	2,700 lm
929001875132	CorePro LEDtube 1500mm HO 24W 840 T8	240 degree(s)	4000 K	840	2,700 lm
929003154202	CorePro LEDtube 1200mm UO 21.5W 840 T8	240 degree(s)	4000 K	840	2,400 lm
929003154302	CorePro LEDtube 1200mm UO 21.5W 865 T8	240 degree(s)	6500 K	865	2,400 lm
929003154402	CorePro LEDtube 1500mm UO 31.5W 840 T8	240 degree(s)	4000 K	840	3,500 lm
929003154502	CorePro LEDtube 1500mm UO 31.5W 865 T8	240 degree(s)	6500 K	865	3,500 lm
929003158602	CorePro LEDtube 600mm HO 8W 840 T8	240 degree(s)	4000 K	840	900 lm
929003158702	CorePro LEDtube 600mm HO 8W 865 T8	240 degree(s)	6500 K	865	900 lm
929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	240 degree(s)	4000 K	840	1,800 lm

CorePro LEDtube EM/Mains T8

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
929003519802	CorePro LEDtube 1200mm 15,5W 865 T8	240 degree(s)	6500 K	865	1,800 lm
929003547202	CorePro LEDtube 600mm 8W 840 T8	240 degree(s)	4000 K	840	800 lm
929003547302	CorePro LEDtube 600mm 8W 865 T8	240 degree(s)	6500 K	865	800 lm
929003547402	CorePro LEDtube 1500mm 20W 840 T8	240 degree(s)	4000 K	840	2,200 lm
929003547502	CorePro LEDtube 1500mm 20W 865 T8	240 degree(s)	6500 K	865	2,200 lm
929003577132	CorePro LEDtube 600mm 8W 830 T8	240 degree(s)	3000 K	830	750 lm
929003577232	CorePro LEDtube 1200mm 15,5W 830 T8	240 degree(s)	3000 K	830	1,700 lm
929003577332	CorePro LEDtube 1500mm 20W 830 T8	240 degree(s)	3000 K	830	2,050 lm
929003577402	CorePro LEDtube 600mm HO 8W 830 T8	240 degree(s)	3000 K	830	850 lm
929003577532	CorePro LEDtube 1200mm HO 18W 830 T8	240 degree(s)	3000 K	830	1,850 lm
929003577632	CorePro LEDtube 1500mm HO 24W 830 T8	240 degree(s)	3000 K	830	2,500 lm
929003577702	CorePro LEDtube 1200mm UO 21,5W 830 T8	240 degree(s)	3000 K	830	2,250 lm
929003577802	CorePro LEDtube 1500mm UO 31,5W 830 T8	240 degree(s)	3000 K	830	3,320 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
929003561802	CorePro LEDtube 1800mm 21W 865 T8	21 W	929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	15.5 W
929003584702	CorePro LEDtube 1800mm 21W830 T8	21 W	929003519802	CorePro LEDtube 1200mm 15.5W 865 T8	15.5 W
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	18 W	929003547202	CorePro LEDtube 600mm 8W 840 T8	8 W
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	18 W	929003547302	CorePro LEDtube 600mm 8W 865 T8	8 W
929001874932	CorePro LEDtube 1200mm HO 18W 840 T8	18 W	929003547402	CorePro LEDtube 1500mm 20W 840 T8	20 W
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	24 W	929003547502	CorePro LEDtube 1500mm 20W 865 T8	20 W
929001875102	CorePro LEDtube 1500mm HO 24W 840 T8	24 W	929003577132	CorePro LEDtube 600mm 8W 830 T8	8 W
929001875132	CorePro LEDtube 1500mm HO 24W 840 T8	24 W	929003577232	CorePro LEDtube 1200mm 15.5W 830 T8	15.5 W
929003154202	CorePro LEDtube 1200mm UO 21.5W 840 T8	21.5 W	929003577332	CorePro LEDtube 1500mm 20W 830 T8	20 W
929003154302	CorePro LEDtube 1200mm UO 21.5W 865 T8	21.5 W	929003577402	CorePro LEDtube 600mm HO 8W 830 T8	8 W
929003154402	CorePro LEDtube 1500mm UO 31.5W 840 T8	31.5 W	929003577532	CorePro LEDtube 1200mm HO 18W 830 T8	18 W
929003154502	CorePro LEDtube 1500mm UO 31.5W 865 T8	31.5 W	929003577632	CorePro LEDtube 1500mm HO 24W 830 T8	24 W
929003158602	CorePro LEDtube 600mm HO 8W 840 T8	8 W	929003577702	CorePro LEDtube 1200mm UO 21.5W 830 T8	21.5 W
929003158702	CorePro LEDtube 600mm HO 8W 865 T8	8 W	929003577802	CorePro LEDtube 1500mm UO 31.5W 830 T8	31.5 W

Temperature

CorePro LEDtube EM/Mains T8

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929003561802	CorePro LEDtube 1800mm 21W 865 T8	-20 °C to 45 °C	60 °C
929003584702	CorePro LEDtube 1800mm 21W830 T8	-20 °C to 45 °C	60 °C
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	-20 °C to 45 °C	60 °C
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	-20 °C to 45 °C	60 °C
929001874932	CorePro LEDtube 1200mm HO 18W 840 T8	-20 °C to 45 °C	60 °C
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	-20 °C to 45 °C	55 °C
929001875102	CorePro LEDtube 1500mm HO 24W 840 T8	-20 °C to 45 °C	55 °C
929001875132	CorePro LEDtube 1500mm HO 24W 840 T8	-20 °C to 45 °C	55 °C
929003154202	CorePro LEDtube 1200mm UO 21.5W 840 T8	-20 to +45 °C	50 °C
929003154302	CorePro LEDtube 1200mm UO 21.5W 865 T8	-20 to +45 °C	50 °C
929003154402	CorePro LEDtube 1500mm UO 31.5W 840 T8	-20 to +45 °C	55 °C
929003154502	CorePro LEDtube 1500mm UO 31.5W 865 T8	-20 to +45 °C	55 °C
929003158602	CorePro LEDtube 600mm HO 8W 840 T8	-20 °C to 45 °C	45 °C
929003158702	CorePro LEDtube 600mm HO 8W 865 T8	-20 °C to 45 °C	45 °C

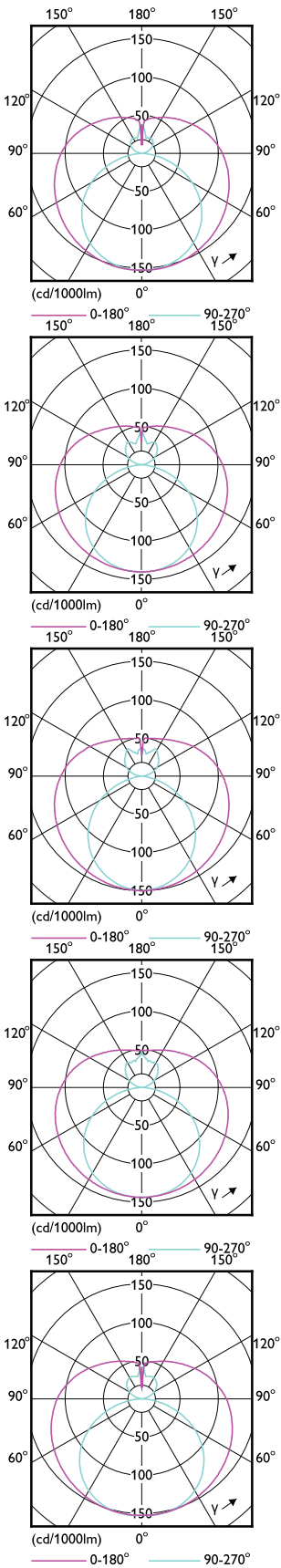
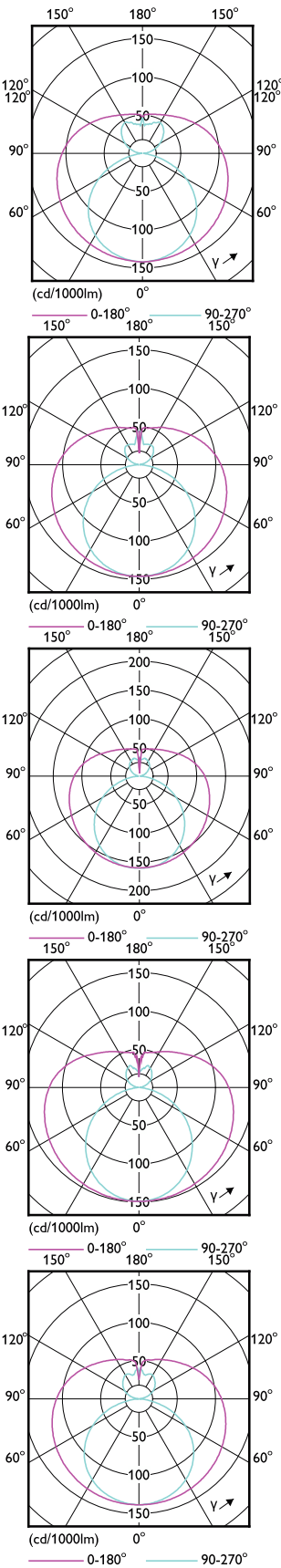
Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	-20 °C to 45 °C	60 °C
929003519802	CorePro LEDtube 1200mm 15.5W 865 T8	-20 °C to 45 °C	60 °C
929003547202	CorePro LEDtube 600mm 8W 840 T8	-20 °C to 45 °C	50 °C
929003547302	CorePro LEDtube 600mm 8W 865 T8	-20 °C to 45 °C	50 °C
929003547402	CorePro LEDtube 1500mm 20W 840 T8	-20 °C to 45 °C	60 °C
929003547502	CorePro LEDtube 1500mm 20W 865 T8	-20 °C to 45 °C	60 °C
929003577132	CorePro LEDtube 600mm 8W 830 T8	-20 °C to 45 °C	50 °C
929003577232	CorePro LEDtube 1200mm 15.5W 830 T8	-20 °C to 45 °C	60 °C
929003577332	CorePro LEDtube 1500mm 20W 830 T8	-20 °C to 45 °C	60 °C
929003577402	CorePro LEDtube 600mm HO 8W 830 T8	-20 °C to 45 °C	45 °C
929003577532	CorePro LEDtube 1200mm HO 18W 830 T8	-20 °C to 45 °C	60 °C
929003577632	CorePro LEDtube 1500mm HO 24W 830 T8	-20 °C to 45 °C	55 °C
929003577702	CorePro LEDtube 1200mm UO 21.5W 830 T8	-20 to +45 °C	50 °C
929003577802	CorePro LEDtube 1500mm UO 31.5W 830 T8	-20 to +45 °C	55 °C

Approval and Application

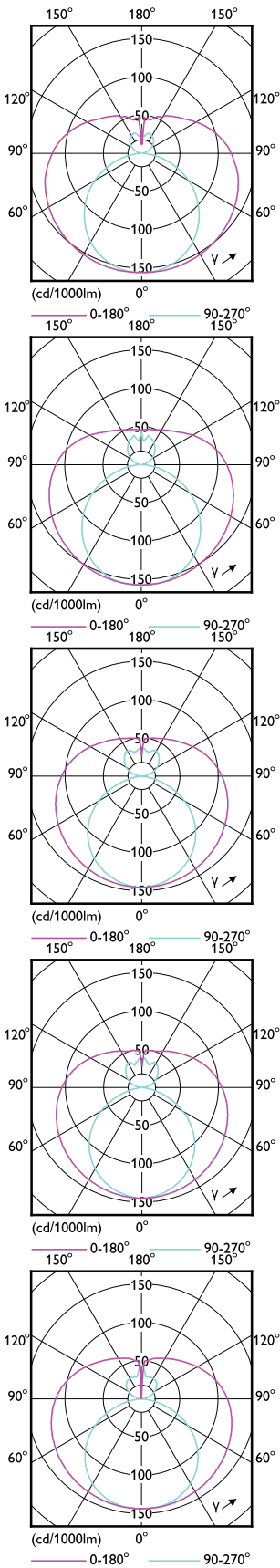
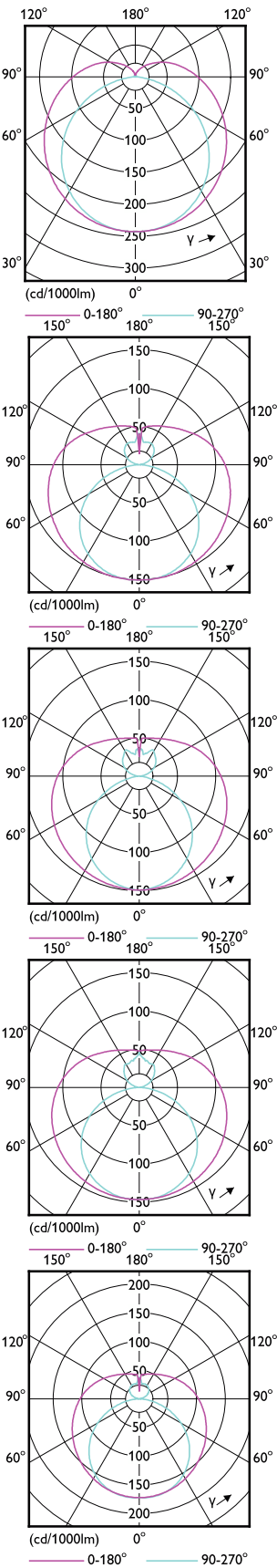
Order Code	Full Product Name	Energy Consumption kWh/1000 h
929003561802	CorePro LEDtube 1800mm 21W 865 T8	21 kWh
929003584702	CorePro LEDtube 1800mm 21W830 T8	21 kWh
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	18 kWh
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	18 kWh
929001874932	CorePro LEDtube 1200mm HO 18W 840 T8	18 kWh
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	24 kWh
929001875102	CorePro LEDtube 1500mm HO 24W 840 T8	24 kWh
929001875132	CorePro LEDtube 1500mm HO 24W 840 T8	24 kWh
929003154202	CorePro LEDtube 1200mm UO 21.5W 840 T8	22 kWh
929003154302	CorePro LEDtube 1200mm UO 21.5W 865 T8	22 kWh
929003154402	CorePro LEDtube 1500mm UO 31.5W 840 T8	32 kWh
929003154502	CorePro LEDtube 1500mm UO 31.5W 865 T8	32 kWh
929003158602	CorePro LEDtube 600mm HO 8W 840 T8	8 kWh
929003158702	CorePro LEDtube 600mm HO 8W 865 T8	8 kWh
929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	16 kWh
929003519802	CorePro LEDtube 1200mm 15.5W 865 T8	16 kWh
929003547202	CorePro LEDtube 600mm 8W 840 T8	8 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929003547302	CorePro LEDtube 600mm 8W 865 T8	8 kWh
929003547402	CorePro LEDtube 1500mm 20W 840 T8	20 kWh
929003547502	CorePro LEDtube 1500mm 20W 865 T8	20 kWh
929003577132	CorePro LEDtube 600mm 8W 830 T8	8 kWh
929003577232	CorePro LEDtube 1200mm 15.5W 830 T8	16 kWh
929003577332	CorePro LEDtube 1500mm 20W 830 T8	20 kWh
929003577402	CorePro LEDtube 600mm HO 8W 830 T8	8 kWh
929003577532	CorePro LEDtube 1200mm HO 18W 830 T8	18 kWh
929003577632	CorePro LEDtube 1500mm HO 24W 830 T8	24 kWh
929003577702	CorePro LEDtube 1200mm UO 21.5W 830 T8	22 kWh
929003577802	CorePro LEDtube 1500mm UO 31.5W 830 T8	32 kWh

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