



The new generation of energy-saving LED PLL tube lighting

CorePro LED PLL

Philips CorePro LED PLL is the ideal uplampping solution for downlights & luminaires in a wide range of general lighting applications. It integrates a LED light source into a traditional fluorescent form factor to offer superb energy savings over a lifetime that's twice as long as fluorescent alternatives.

Benefits

- Reduced operational cost thanks to a lower energy consumption than conventional PLL lamps, as well as lower maintenance cost thanks to a 2-3 times longer lifetime than conventional lamps
- Simple lamp-for-lamp replacement, re-using the existing fixture without major modifications, using a similar PLL form-factor
- Fastest and easiest way to upgrade existing luminaires to LED technology

Features

- High quality of light, no flickering nor stroboscoping effect
- Instant 100% light
- Choice of 3000 K, 4000 K & 6500 K

Application

- Hospitality
- Retail
- Office (stairways, corridors)
- Industrial areas

CorePro LED PLL

Versions

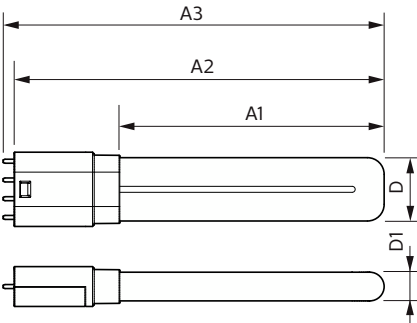
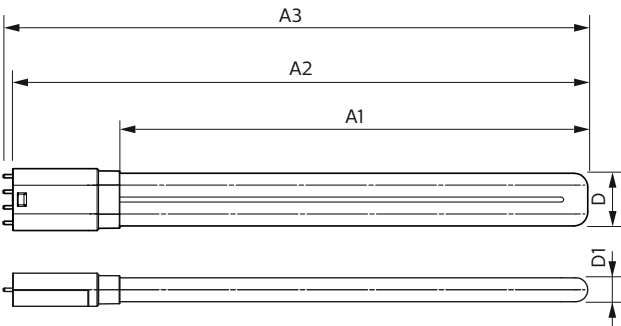
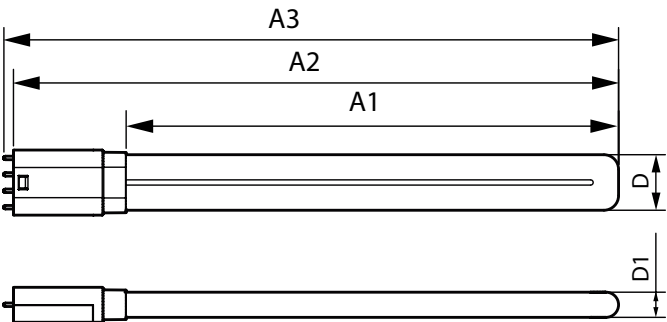


LEDtube PLL HF 24W 2G11 830 4P 24D ND

LEDtube COR PLL EU 12W 2G11

LEDtube COR PLL EU 8W 2G11

Dimensional drawing



Product	D1	D	A1	A2	A3
CorePro LED PLL HF 16.5W 840 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm
CorePro LED PLL HF 16.5W 865 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 12W 830 4P 2G11	17 mm	38 mm	250 mm	312 mm	319 mm
CorePro LED PLL HF 12W 840 4P 2G11	17 mm	38 mm	250 mm	312 mm	319 mm
CorePro LED PLL HF 24W 865 4P 2G11	17 mm	38 mm	453 mm	528 mm	535 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 8W 830 4P 2G11	17 mm	38 mm	155 mm	217 mm	224 mm
CorePro LED PLL HF 8W 840 4P 2G11	17 mm	38 mm	155 mm	217 mm	224 mm

CorePro LED PLL

General Information	
Cap-Base	2G11
Switching Cycle	50,000
Nominal lifetime	30,000 hour(s)
Light Technical	
Beam Angle (Nom)	160 degree(s)
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Starting Time (Nom)	0.5 s
Temperature	
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	PL-L
Approval and Application	
Ambient temperature range	-20 °C to 45 °C

Light Technical

Order Code	Full Product Name	Correlated Color	Color	Color	Luminous Flux
		Temperature (Nom)	rendering index (CRI)		
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	4000 K	83	840	2,100 lm
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	6500 K	83	865	2,100 lm
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	6500 K	83	865	3,400 lm
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	3000 K	80	830	1,440 lm
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	4000 K	80	840	1,500 lm
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	3000 K	80	830	960 lm
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	4000 K	80	840	1,000 lm

Operating and Electrical

Order Code	Full Product		Line Frequency	Power	
	Name	Input Frequency		Consumption	
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W	
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W	
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	20000-70000 Hz	20000-70000 Hz	24 W	
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	20K-80K Hz	20K-80K Hz	12 W	
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	20K-80K Hz	20K-80K Hz	12 W	
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	20K-80K Hz	20K-80K Hz	8 W	
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	20K-80K Hz	20K-80K Hz	8 W	

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	-
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	-
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	-
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	Frosted
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	Frosted
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	Frosted
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	Frosted

Approval and Application

CorePro LED PLL

Order Code	Full Product Name	Energy Consumption kWh/	
		1000 h	
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	17 kWh	
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	17 kWh	
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	24 kWh	
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	12 kWh	
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	12 kWh	
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	8 kWh	
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	8 kWh	

