

The new generation of energy-saving LED PLL tube lighting

CorePro LED PLL

Philips CorePro LED PLL is the ideal uplamping 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

Versions

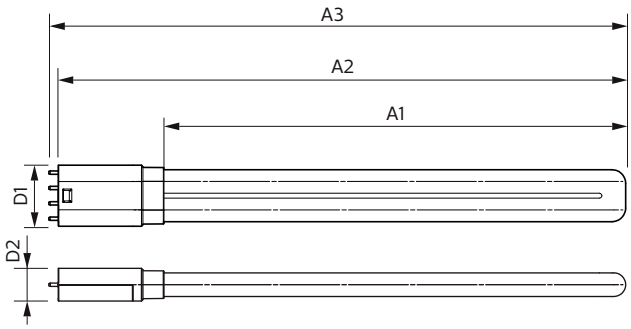


2G11

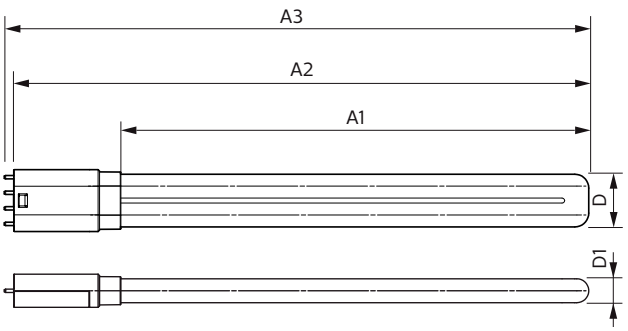


LEDtube 2G11

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 16.5W 840 4P 2G11	43.6 mm	23.4 mm	329.5 mm	405 mm	411.6 mm
CorePro LED PLL HF 16.5W 830 4P 2G11	43.6 mm	23.4 mm	329.5 mm	405 mm	411.6 mm
CorePro LED PLL HF 16.5W 865 4P 2G11	43.6 mm	23.4 mm	329.5 mm	405 mm	411.6 mm



Product	D	D1	A1	A2	A3
CorePro LED PLL HF 24W 865 4P 2G11	37.6 mm	17 mm	453 mm	528.5 mm	535.1 mm
CorePro LED PLL HF 24W 840 4P 2G11	37.6 mm	17 mm	453 mm	528.5 mm	535.1 mm
CorePro LED PLL HF 24W 830 4P 2G11	37.6 mm	17 mm	453 mm	528.5 mm	535.1 mm

CorePro LED PLL

Approval and Application	
Energy Efficiency Label (EEL)	A+
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Voltage (Nom)	53-77 V
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	2G11
Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000X
Light Technical	
Color Rendering Index (Nom)	83
Llmf At End Of Nominal Lifetime (Nom)	70 %
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Case Maximum (Nom)	70 °C
T-Storage (Min)	-40 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	20 kWh
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	20 kWh
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	20 kWh
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	29 kWh
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	29 kWh
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	29 kWh

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Power (Rated) (Nom)
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	39000-71000 Hz	16.5 W
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	39000-71000 Hz	16.5 W
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	39000-71000 Hz	16.5 W

Order Code	Full Product Name	Input Frequency	Power (Rated) (Nom)
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	20000-70000 Hz	24 W
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	20000-70000 Hz	24 W
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	20000-70000 Hz	24 W

Light Technical

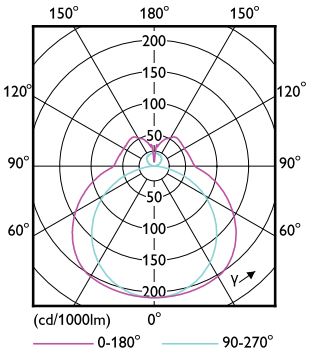
Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	-	830	3000 K	2000 lm
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	-	840	4000 K	2100 lm
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	-	865	6500 K	2100 lm

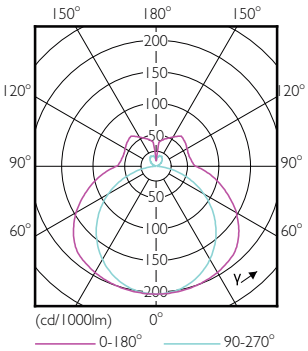
Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	160 °	830	3000 K	3200 lm
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	160 °	840	4000 K	3400 lm
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	160 °	865	6500 K	3400 lm

CorePro LED PLL

Temperature

Order Code	Full Product Name	T-Storage (Max)
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	60 °C
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	60 °C
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	60 °C
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	65 °C
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	65 °C
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	65 °C





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