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 two to three 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
- The fastest and easiest way to upgrade existing luminaires to LED technology

Features

- High quality of light, no flickering or stroboscoping effects
- Instant 100% light
- Choice of 3000 K, 4000 K & 6500 K

Application

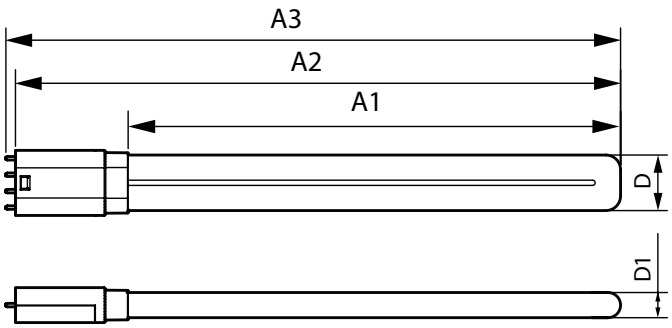
- Hospitality
- Retail
- Office (stairways, corridors)
- Industrial areas

CorePro LED PLL

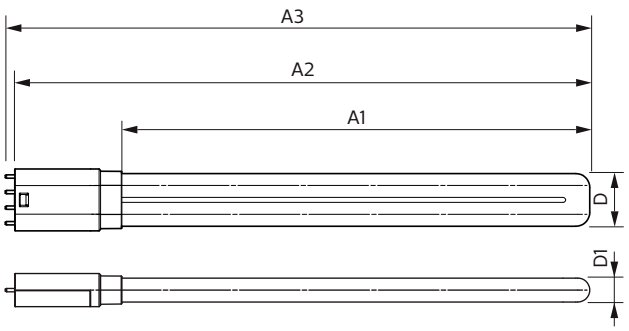
Versions

CorePro LED PLC 400mm 17W
2G11 830 2000lm

Dimensional drawing



Product	D1	D	A1	A2	A3
CorePro LED PLL HF 16.5W 830 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm



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

General Information	
Cap base	2G11
Nominal lifetime	30,000 h
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
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb shape	PL-L
Approval and Application	
Ambient temperature range	-20°C to 45°C

General Information

Order Code	Full Product Name	Switching Cycle
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	50,000
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	50,000
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	50,000
929003592902	CorePro LED PLL Mains 24W 840 4P	200,000

Light Technical

CorePro LED PLL

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour rendering index (CRI)	Colour Code	Luminous Flux
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	3000 K	83	830	2,000 lm
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	3000 K	83	830	3,200 lm

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour rendering index (CRI)	Colour Code	Luminous Flux
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	4000 K	83	840	3,400 lm
929003592902	CorePro LED PLL Mains 24W 840 4P	4000 K	80	840	3,400 lm

Operating and Electrical

Order Code	Full Product Name	Input frequency	Line Frequency	Power Consumption
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	20000-70000 Hz	20000-70000 Hz	24 W

Order Code	Full Product Name	Input frequency	Line Frequency	Power Consumption
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	20000-70000 Hz	20000-70000 Hz	24 W
929003592902	CorePro LED PLL Mains 24W 840 4P	50 to 60 Hz	50 to 60 Hz	24 W

Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	70 °C
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	70 °C

Order Code	Full Product Name	T-Case maximum (nom.)
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	70 °C
929003592902	CorePro LED PLL Mains 24W 840 4P	75 °C

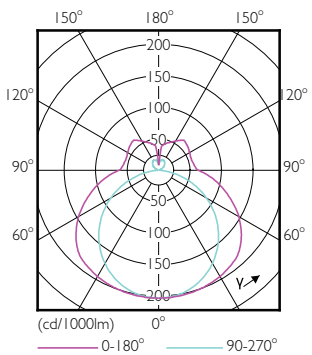
Mechanical and Housing

Order Code	Full Product Name	Lamp Finish
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	-
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	-

Order Code	Full Product Name	Lamp Finish
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	-
929003592902	CorePro LED PLL Mains 24W 840 4P	Frosted

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/ 1,000 hours
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	17 kWh
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	24 kWh
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	24 kWh
929003592902	CorePro LED PLL Mains 24W 840 4P	24 kWh



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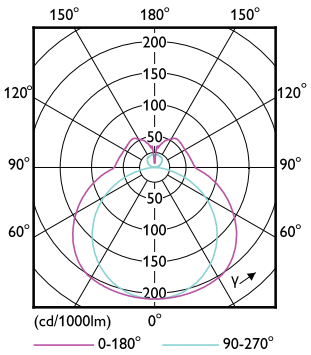

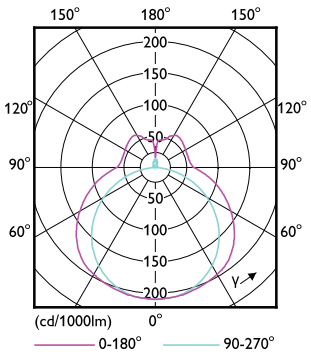

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