



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

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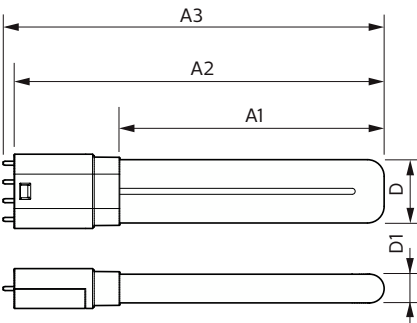
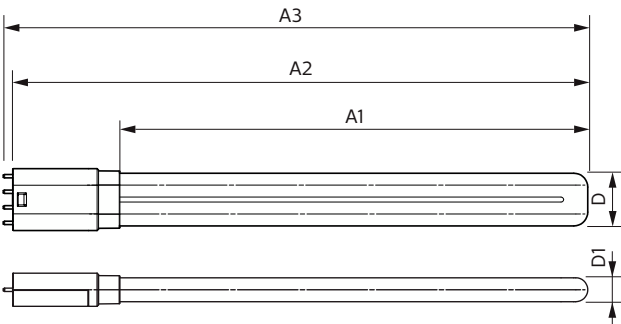
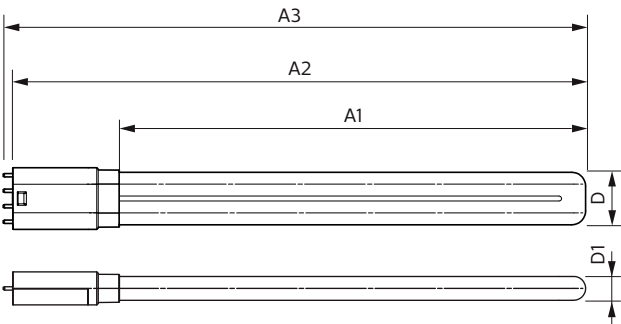
Versions



LEDtube COR PLL EU 12W 2G11

LEDtube COR PLL EU 8W 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 865 4P 2G11	43.6 mm	23.4 mm	329.5 mm	405 mm	411.6 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 12W 830 4P 2G11	17 mm		250 mm	312 mm	319 mm
CorePro LED PLL HF 12W 840 4P 2G11	17 mm		250 mm	312 mm	319 mm

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

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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	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	PL-L

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
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

Full Product				Power
Order Code	Name	Input Frequency	Line 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
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	20K-80K Hz	20K-80K Hz	12 W

Full Product				Power
Order Code	Name	Input Frequency	Line Frequency	Consumption
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	-
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	Frosted

Order Code	Full Product Name	Bulb Finish
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

		Energy Consumption kWh/
Order Code	Full Product Name	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
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	12 kWh
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	12 kWh

		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	8 kWh
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	8 kWh

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