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
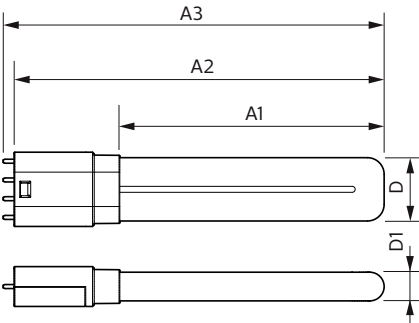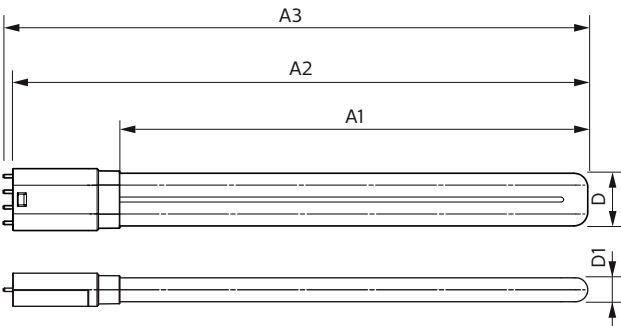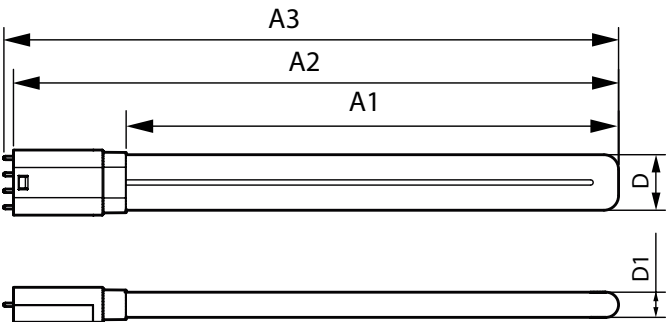- Office (stairways, corridors)
- Industrial areas

CorePro LED PLL

Versions

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 830 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm
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 EM/Mains 12W 840 4P	17 mm	38 mm	250 mm	312 mm	319 mm
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 HF 24W 865 4P 2G11	17 mm	38 mm	453 mm	528 mm	535 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 8W 840 4P	17 mm	38 mm	156 mm	218 mm	224 mm

CorePro LED PLL

General Information

Cap-Base	2G11
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

General Information

Order Code	Full Product Name	Switching Cycle
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	50,000
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	50,000
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	50,000
82839700	CorePro LED PLL HF 24W 830 4P 2G11	50,000
82841000	CorePro LED PLL HF 24W 840 4P 2G11	50,000
82843400	CorePro LED PLL HF 24W 865 4P 2G11	50,000
15705700	CorePro LED PLL EM/Mains 12W 840 4P	200,000
15701900	CorePro LED PLL EM/Mains 8W 840 4P	200,000

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	3000 K	83	830	2,000 lm
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	4000 K	83	840	2,100 lm
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	6500 K	83	865	2,100 lm
82839700	CorePro LED PLL HF 24W 830 4P 2G11	3000 K	83	830	3,200 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
82841000	CorePro LED PLL HF 24W 840 4P 2G11	4000 K	83	840	3,400 lm
82843400	CorePro LED PLL HF 24W 865 4P 2G11	6500 K	83	865	3,400 lm
15705700	CorePro LED PLL EM/Mains 12W 840 4P	4000 K	80	840	1,500 lm
15701900	CorePro LED PLL EM/Mains 8W 840 4P	4000 K	80	840	1,000 lm

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W

CorePro LED PLL

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	39000–71000 Hz	39000–71000 Hz	16.5 W
82839700	CorePro LED PLL HF 24W 830 4P 2G11	20000–70000 Hz	20000–70000 Hz	24 W
82841000	CorePro LED PLL HF 24W 840 4P 2G11	20000–70000 Hz	20000–70000 Hz	24 W

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption
82843400	CorePro LED PLL HF 24W 865 4P 2G11	20000–70000 Hz	20000–70000 Hz	24 W
15705700	CorePro LED PLL EM/Mains 12W 840 4P	50 to 60 Hz	50 to 60 Hz	12 W
15701900	CorePro LED PLL EM/Mains 8W 840 4P	50 to 60 Hz	50 to 60 Hz	8 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	-
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	-
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	-
82839700	CorePro LED PLL HF 24W 830 4P 2G11	-

Order Code	Full Product Name	Bulb Finish
82841000	CorePro LED PLL HF 24W 840 4P 2G11	-
82843400	CorePro LED PLL HF 24W 865 4P 2G11	-
15705700	CorePro LED PLL EM/Mains 12W 840 4P	Frosted
15701900	CorePro LED PLL EM/Mains 8W 840 4P	Frosted

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	17 kWh
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	17 kWh
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	17 kWh
82839700	CorePro LED PLL HF 24W 830 4P 2G11	24 kWh
82841000	CorePro LED PLL HF 24W 840 4P 2G11	24 kWh
82843400	CorePro LED PLL HF 24W 865 4P 2G11	24 kWh
15705700	CorePro LED PLL EM/Mains 12W 840 4P	12 kWh
15701900	CorePro LED PLL EM/Mains 8W 840 4P	8 kWh