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
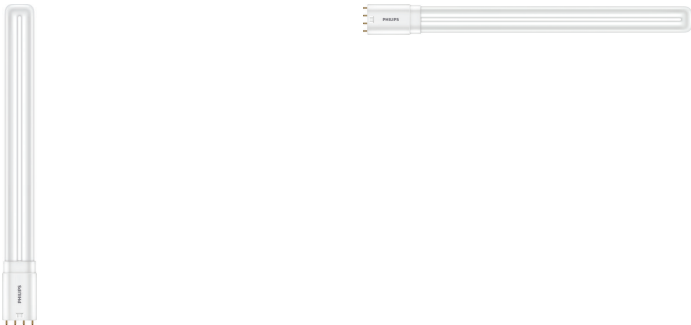
Features
- High quality of light, no flickering or stroboscoping effects
- Instant 100% light
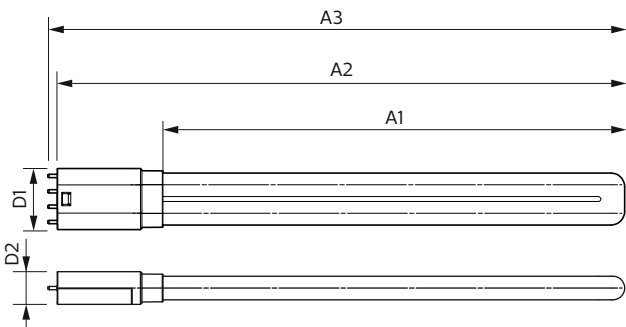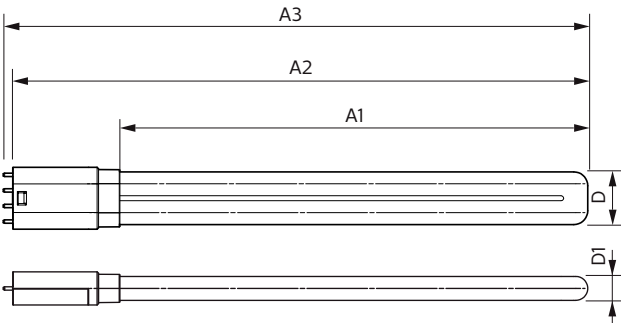- Choice of 3,000 K, 4,000 K & 6,500 K

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

CorePro LED PLL

Versions

Dimensional drawing

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 830 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

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
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

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

Colour 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
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	20 kWh
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	20 kWh
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	20 kWh
82839700	CorePro LED PLL HF 24W 830 4P 2G11	29 kWh
82841000	CorePro LED PLL HF 24W 840 4P 2G11	29 kWh
82843400	CorePro LED PLL HF 24W 865 4P 2G11	29 kWh

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Power (Rated) (Nom)
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	39000–71000 Hz	16.5 W
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	39000–71000 Hz	16.5 W
73976100	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)
82839700	CorePro LED PLL HF 24W 830 4P 2G11	20000–70000 Hz	24 W
82841000	CorePro LED PLL HF 24W 840 4P 2G11	20000–70000 Hz	24 W
82843400	CorePro LED PLL HF 24W 865 4P 2G11	20000–70000 Hz	24 W

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	–	830	3000 K	2000 lm
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	–	840	4000 K	2100 lm
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	–	865	6500 K	2100 lm

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
82839700	CorePro LED PLL HF 24W 830 4P 2G11	160 °	830	3000 K	3200 lm
82841000	CorePro LED PLL HF 24W 840 4P 2G11	160 °	840	4000 K	3400 lm
82843400	CorePro LED PLL HF 24W 865 4P 2G11	160 °	865	6500 K	3400 lm

Temperature

CorePro LED PLL

Order Code	Full Product Name	T–Storage (Max)
73966200	CorePro LED PLL HF 16.5W 830 4P 2G11	60 °C
73974700	CorePro LED PLL HF 16.5W 840 4P 2G11	60 °C
73976100	CorePro LED PLL HF 16.5W 865 4P 2G11	60 °C
82839700	CorePro LED PLL HF 24W 830 4P 2G11	65 °C
82841000	CorePro LED PLL HF 24W 840 4P 2G11	65 °C
82843400	CorePro LED PLL HF 24W 865 4P 2G11	65 °C

www.lighting.philips.com

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