



The new generation of energy-saving LED PLS tube lighting

CorePro LED PLS

The Philips CorePro LED PLS integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environment-friendly.

Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to a 2-3 times longer lifetime than conventional lamps
- The fastest and easiest way to upgrade existing luminaires to LED technology; completely safe product and installation process

Features

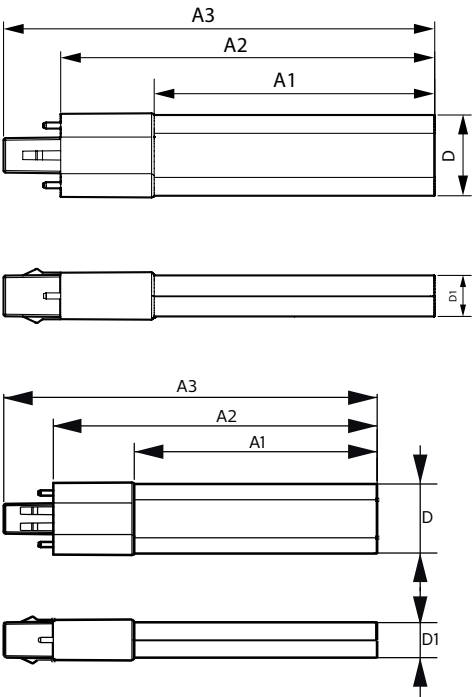
- Highly energy-efficient
- Easy installation
- Conventional form factor to fit into existing luminaires
- No mercury

Application

- Hospitality, retail, office, industrial and home applications

CorePro LED PLS

Dimensional drawing



Product	D1	D	A1	A2	A3
CorePro LED PLS 5W 830 2P G23	16 mm	31 mm	108 mm	144 mm	166 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLS 5W 830 2P G23	15.8 mm	15.8 mm	108 mm	144 mm	166 mm
CorePro LED PLS 5W 840 2P G23	15.8 mm	15.8 mm	108 mm	144 mm	166 mm

General Information	
Cap-Base	G23
Switching Cycle	50,000
Nominal lifetime	30,000 hour(s)
Light Technical	
Beam Angle (Nom)	120 degree(s)
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	5 W
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	PL-S
Approval and Application	
Energy Consumption kWh/1000 h	5 kWh

Light Technical

		Correlated Color Temperature		Color Code	Luminous Flux
Order Code	Full Product Name	(Nom)			
59666800	CorePro LED PLS 5W 830 2P G23	3000 K		830	520 lm
59668200	CorePro LED PLS 5W 840 2P G23	4000 K		840	550 lm
28658000	CorePro LED PLS 5W 830 2P G23	3000 K		830	520 lm

Operating and Electrical

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Order Code	Full Product Name	Line Frequency
59666800	CorePro LED PLS 5W 830 2P G23	50 to 60 Hz
59668200	CorePro LED PLS 5W 840 2P G23	50 to 60 Hz

Order Code	Full Product Name	Line Frequency
28658000	CorePro LED PLS 5W 830 2P G23	-

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
59666800	CorePro LED PLS 5W 830 2P G23	83 °C
59668200	CorePro LED PLS 5W 840 2P G23	83 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
28658000	CorePro LED PLS 5W 830 2P G23	50 °C

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
59666800	CorePro LED PLS 5W 830 2P G23	-
59668200	CorePro LED PLS 5W 840 2P G23	-

Order Code	Full Product Name	Bulb Finish
28658000	CorePro LED PLS 5W 830 2P G23	Frosted

Approval and Application

Order Code	Full Product Name	Ambient temperature range
59666800	CorePro LED PLS 5W 830 2P G23	-20 °C to 45 °C
59668200	CorePro LED PLS 5W 840 2P G23	-20 °C to 45 °C
28658000	CorePro LED PLS 5W 830 2P G23	-20 to +45 °C

