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
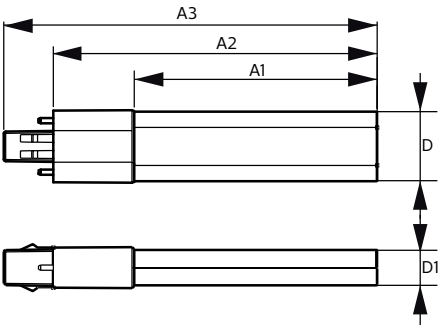· Conventional form factor to fit into existing luminaires
· No mercury

Application
· Hospitality, retail, office, industrial and home applications

CorePro LED PLS

Versions

LEDtube CorePro PLS EM 5W G23
830 12D ND

Dimensional drawing

Product	D	D1	A1	A2	A3
CorePro LED PLS 5W 830 2P G23	31.1 mm	15.8 mm	108 mm	144 mm	166 mm
CorePro LED PLS 5W 840 2P G23	31.1 mm	15.8 mm	108 mm	144 mm	166 mm

CorePro LED PLS

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
Line Frequency	50 to 60 Hz
Power Consumption	5 W
Starting Time (Nom)	0.5 s

Temperature

Ambient temperature range	–20 °C to 45 °C
T–Case Maximum (Nom)	83 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Shape	PL–S

Approval and Application

Energy Consumption kWh/1000 h	5 kWh

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
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

(cd/1000lm) — 0-180° — 90-270°