



# The new generation of energy-saving LED PLC tube lighting

## CorePro LED PLC

Philips CorePro LED PLC is the ideal uplampping solution for downlights 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 costs thanks to lower energy consumption than conventional PLC lamps, as well as lower maintenance costs 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 PLC form-factor.
- The fastest and easiest way to upgrade existing luminaires to LED technology

### Features

- Shatter-proof plastic
- High quality of light, no flickering or stroboscopic effects
- Instant 100% light
- Rotating end-caps
- Choice of 3,000 K and 4,000 K

### Application

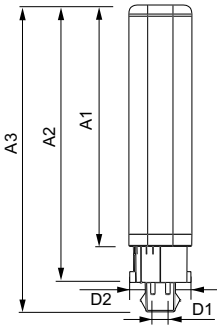
- CorePro LED PLC lamps are the ideal upgrade for downlights in a wide range of applications. These include reception areas, meeting rooms, corridors and hallways in offices, retail stores, hospitality venues and home applications

# CorePro LED PLC

## Versions



## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 4.5W 840 4P G24q-1	24.3 mm	28.4 mm	95.8 mm	115 mm	130.6 mm
CorePro LED PLC 4.5W 830 4P G24q-1	24.3 mm	28.4 mm	95.8 mm	115 mm	130.6 mm

# CorePro LED PLC

## Approval and Application

Energy Consumption kWh/1000 h	6 kWh
Energy Efficiency Label (EEL)	A+

## Controls and Dimming

Dimmable	No
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## Operating and Electrical

Input Frequency	30000-80000 Hz
Voltage (Nom)	20-50 V
Power (Rated) (Nom)	4.5 W
Starting Time (Nom)	0.5 s

## General Information

Cap-Base	G24Q-1
Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000X

## Light Technical

Beam Angle (Nom)	120 °
Colour Rendering Index (Nom)	83
LLmf At End Of Nominal Lifetime (Nom)	70 %

## Mechanical and Housing

Bulb Shape	Tube, single-ended
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## Temperature

T-Ambient (Max)	35 °C
T-Ambient (Min)	-20 °C
T-Case Maximum (Nom)	60 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

## Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour	Luminous Flux
			Temperature (Nom)	(Nom)
929001351002	CorePro LED PLC 4.5W 830 4P G24q-1	830	3000 K	475 lm
929001351102	CorePro LED PLC 4.5W 840 4P G24q-1	840	4000 K	500 lm

