# **PHILIPS** Lighting



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

### CorePro LED PLC

Philips CorePro LED PLC is the ideal uplamping 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

- $\cdot$  Shatter-proof plastic
- $\boldsymbol{\cdot}$  High quality of light, no flickering or stroboscoping effects
- Instant 100% light
- $\cdot$  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

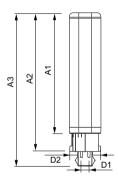
#### CorePro LED PLC

#### Versions



G24q-1

#### Dimensional drawing



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

#### CorePro LED PLC

Approval and Application	
Energy Consumption kWh/1000 h	5 kWh
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	30000-80000 Hz
Voltage (Nom)	20-50 V
Power (Nom)	4.5 W
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	G24Q-1
Nominal Lifetime (Nom)	30000 h
Switching Cycle	50,000X
Light Technical	
Beam Angle (Nom)	120 °
Colour Rendering Index (Nom)	83
Llmf At End Of Nominal Lifetime	70 %
(Nom)	
Mechanical and Housing	
Bulb Shape	Tube, single-
	ended
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

#### 120° 180° 120° Ļ 90 90° $\frac{1}{50}$ -100-60 60° -150-.200-Ý.-¥ n 30 -300-30° (cd/1000lm) 0° 90-270° 0-180° \_\_\_\_

#### Light Technical

			Correlated Colour	Luminous Flux
Order Code	Full Product Name	Colour Code	Temperature (Nom)	(Nom)
70663300	CorePro LED PLC 4.5W 830 4P G24q-1	830	3000 K	475 lm
70665700	CorePro LED PLC 4.5W 840 4P G24q-1	840	4000 K	500 lm

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