



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

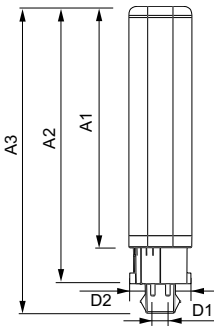
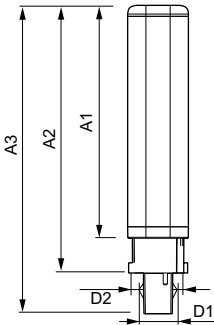
- CorePro LED PLC lamps are the ideal upgrade for downlights in a wide range of applications. These include reception areas, meeting rooms, corridor and hallways in offices, retail outlets, hospitality venues and home applications.

CorePro LED PLC

Versions



Dimensional drawing



| Product | D1 | D2 | A1 | A2 | A3 |
|---------------------------------------|---------|---------|---------|--------|----------|
| CorePro LED PLC 4.5W 830 2P G24d-1 | 24.3 mm | 28.4 mm | 95.8 mm | 115 mm | 137.6 mm |
| CorePro LED PLC 4.5W 840 2P G24d-1 | 24.3 mm | 28.4 mm | 95.8 mm | 115 mm | 137.6 mm |

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

CorePro LED PLC

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Operating and Electrical

| | |
|---------------------|-------|
| Power (Rated) (Nom) | 4.5 W |
| Starting Time (Nom) | 0.5 s |

General Information

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

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/ 1000 h | Energy Efficiency Label (EEL) |
|------------|------------------------------------|-----------------------------------|----------------------------------|
| 70659600 | CorePro LED PLC 4.5W 830 2P G24d-1 | 5 kWh | A++ |
| 70661900 | CorePro LED PLC 4.5W 840 2P G24d-1 | 5 kWh | A++ |
| 70663300 | CorePro LED PLC 4.5W 830 4P G24q-1 | 6 kWh | A+ |
| 70665700 | CorePro LED PLC 4.5W 840 4P G24q-1 | 6 kWh | A+ |

Operating and Electrical

| Order Code | Full Product Name | Input Frequency | Voltage (Nom) |
|------------|------------------------------------|-----------------|---------------|
| 70659600 | CorePro LED PLC 4.5W 830 2P G24d-1 | 50 to 60 Hz | 220-240 V |
| 70661900 | CorePro LED PLC 4.5W 840 2P G24d-1 | 50 to 60 Hz | 220-240 V |

| Order Code | Full Product Name | Input Frequency | Voltage (Nom) |
|------------|------------------------------------|-----------------|---------------|
| 70663300 | CorePro LED PLC 4.5W 830 4P G24q-1 | 30000-80000 Hz | 20-50 V |
| 70665700 | CorePro LED PLC 4.5W 840 4P G24q-1 | 30000-80000 Hz | 20-50 V |

General Information

| Order Code | Full Product Name | Cap-Base |
|------------|------------------------------------|----------|
| 70659600 | CorePro LED PLC 4.5W 830 2P G24d-1 | G24D-1 |
| 70661900 | CorePro LED PLC 4.5W 840 2P G24d-1 | G24D-1 |

| Order Code | Full Product Name | Cap-Base |
|------------|------------------------------------|----------|
| 70663300 | CorePro LED PLC 4.5W 830 4P G24q-1 | G24Q-1 |
| 70665700 | CorePro LED PLC 4.5W 840 4P G24q-1 | G24Q-1 |

Light Technical

| Order Code | Full Product Name | Colour Code | Correlated Colour Temperature (Nom) | Luminous Flux (Nom) |
|------------|---------------------------------------|----------------|---|------------------------|
| 70659600 | CorePro LED PLC 4.5W 830 2P G24d-1 | 830 | 3000 K | 475 lm |
| 70661900 | CorePro LED PLC 4.5W 840 2P G24d-1 | 840 | 4000 K | 500 lm |
| 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 |

