# The new generation of energy-saving LED PLC 2P tube lighting

## CorePro LED PLC 2P

CorePro LED PLC 2P 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 environmentally friendly.

**Benefits**
· Reduced operational cost thanks to lower energy consumption
· Lower maintenance cost thanks to 2-3 times longer lifetime than conventional lamps
· 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**
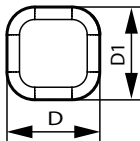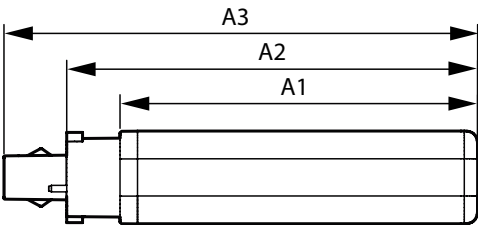· Hospitality, retail, office, industrial and home applications

# CorePro LED PLC 2P

## Versions



**CorePro LED PLC 100mm 5W G24D-1**

## Dimensional drawing



| Product | D1 | D | A1 | A2 | A3 |
|---|---|---|---|---|---|
| CorePro LED PLC 4.5W 830 2P G24d-1 | 34 mm | 34 mm | 95 mm | 115 mm | 138 mm |
| CorePro LED PLC 6.5W 830 2P G24d-2 | 34 mm | 34 mm | 106 mm | 125 mm | 148 mm |
| CorePro LED PLC 6.5W 840 2P G24d-2 | 34 mm | 34 mm | 106 mm | 125 mm | 148 mm |
| CorePro LED PLC 8.5W 830 2P G24d-3 | 34 mm | 34 mm | 129 mm | 148 mm | 171 mm |
| LED PLC 6.5W 830 2P G24d-2 | 34 mm | 34 mm | 106 mm | 125 mm | 148 mm |
| LED PLC 6.5W 840 2P G24d-2 | 34 mm | 34 mm | 106 mm | 125 mm | 148 mm |
| LED PLC 6.5W 865 2P G24d-2 | 34 mm | 34 mm | 106 mm | 125 mm | 148 mm |
| LED PLC 8.5W 830 2P G24d-3 | 34 mm | 34 mm | 129 mm | 148 mm | 171 mm |
| LED PLC 8.5W 865 2P G24d-3 | 34 mm | 34 mm | 129 mm | 148 mm | 171 mm |

## General Information

| General Information | |
|---|---|
| Switching Cycle | 50,000 |
| Nominal lifetime | 30,000 hour(s) |

| Light Technical | |
|---|---|
| Beam Angle (Nom) | 120 degree(s) |
| Color rendering index (CRI) | 83 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |

| Operating and Electrical | |
|---|---|
| Input Frequency | 50 to 60 Hz |
| Line Frequency | 50 to 60 Hz |
| Starting Time (Nom) | 0.5 s |

| Controls and Dimming | |
|---|---|
| Dimmable | No |

| Mechanical and Housing | |
|---|---|
| Bulb Shape | PL-C |

| Approval and Application | |
|---|---|
| Ambient temperature range | –20 °C to 35 °C |

## General Information

| Order Code | Full Product Name | Cap-Base |
|---|---|---|
| 929001350702 | CorePro LED PLC 4.5W 830 2P G24d-1 | G24d-1 |
| 929001201402 | CorePro LED PLC 6.5W 830 2P G24d-2 | G24d-2 |
| 929001201408 | LED PLC 6.5W 830 2P G24d-2 | G24d-2 |
| 929001201502 | CorePro LED PLC 6.5W 840 2P G24d-2 | G24d-2 |
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | G24d-2 |
| 929001280208 | LED PLC 6.5W 865 2P G24d-2 | G24d-2 |
| 929001201202 | CorePro LED PLC 8.5W 830 2P G24d-3 | G24d-3 |
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | G24d-3 |
| 929001280108 | LED PLC 8.5W 865 2P G24d-3 | G24d-3 |

# CorePro LED PLC 2P

## Light Technical

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Color Code | Luminous Flux |
|---|---|---|---|---|
| 929001350702 | CorePro LED PLC 4.5W 830 2P G24d-1 | 3000 K | 830 | 475 lm |
| 929001201402 | CorePro LED PLC 6.5W 830 2P G24d-2 | 3000 K | 830 | 650 lm |
| 929001201408 | LED PLC 6.5W 830 2P G24d-2 | 3000 K | 830 | 650 lm |
| 929001201502 | CorePro LED PLC 6.5W 840 2P G24d-2 | 4000 K | 840 | 700 lm |
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | 4000 K | 840 | 700 lm |
| 929001280208 | LED PLC 6.5W 865 2P G24d-2 | 6500 K | 865 | 700 lm |
| 929001201202 | CorePro LED PLC 8.5W 830 2P G24d-3 | 3000 K | 830 | 950 lm |
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | 3000 K | 830 | 950 lm |
| 929001280108 | LED PLC 8.5W 865 2P G24d-3 | 6500 K | 865 | 1,000 lm |

## Operating and Electrical

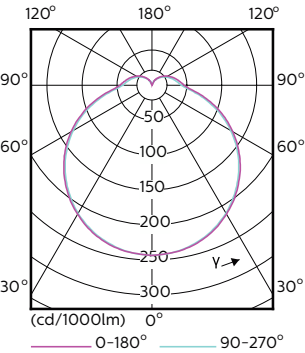| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 929001350702 | CorePro LED PLC 4.5W 830 2P G24d-1 | 4.5 W |
| 929001201402 | CorePro LED PLC 6.5W 830 2P G24d-2 | 6.5 W |
| 929001201408 | LED PLC 6.5W 830 2P G24d-2 | 6.5 W |
| 929001201502 | CorePro LED PLC 6.5W 840 2P G24d-2 | 6.5 W |
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | 6.5 W |
| 929001280208 | LED PLC 6.5W 865 2P G24d-2 | 6.5 W |
| 929001201202 | CorePro LED PLC 8.5W 830 2P G24d-3 | 8.5 W |
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | 8.5 W |
| 929001280108 | LED PLC 8.5W 865 2P G24d-3 | 8.5 W |

## Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|---|---|---|
| 929001350702 | CorePro LED PLC 4.5W 830 2P G24d-1 | 60 ℃ |
| 929001201402 | CorePro LED PLC 6.5W 830 2P G24d-2 | 65 ℃ |
| 929001201408 | LED PLC 6.5W 830 2P G24d-2 | 65 ℃ |
| 929001201502 | CorePro LED PLC 6.5W 840 2P G24d-2 | 65 ℃ |
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | 65 ℃ |
| 929001280208 | LED PLC 6.5W 865 2P G24d-2 | 65 ℃ |
| 929001201202 | CorePro LED PLC 8.5W 830 2P G24d-3 | 75 ℃ |
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | 75 ℃ |
| 929001280108 | LED PLC 8.5W 865 2P G24d-3 | 75 ℃ |

## Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/ 1000 h |
|---|---|---|
| 929001350702 | CorePro LED PLC 4.5W 830 2P G24d-1 | 5 kWh |
| 929001201402 | CorePro LED PLC 6.5W 830 2P G24d-2 | 7 kWh |
| 929001201408 | LED PLC 6.5W 830 2P G24d-2 | 9 kWh |
| 929001201502 | CorePro LED PLC 6.5W 840 2P G24d-2 | 7 kWh |
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | 9 kWh |
| 929001280208 | LED PLC 6.5W 865 2P G24d-2 | 9 kWh |
| 929001201202 | CorePro LED PLC 8.5W 830 2P G24d-3 | 9 kWh |
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | 11 kWh |
| 929001280108 | LED PLC 8.5W 865 2P G24d-3 | 11 kWh |

# CorePro LED PLC 2P



(cd/1000lm)   0°
——— 0-180°   ——— 90-270°



(cd/1000lm)  0°
—— 0-180°   —— 90-270°

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2024, November 27 – data subject to change