PHILIPS Lighting



The new generation of energy-saving LED PLC 4P tube lighting

CorePro LED PLC 4P

The CorePro LED PLC 4P 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

- \cdot 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
- \cdot Easy installation
- Conventional form factor to fit into existing luminaires
- No mercury

Application

Hospitality, retail, office, industrial and home applications

CorePro LED PLC 4P

Versions

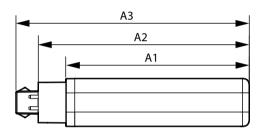




SPPR MLEDGA 0026

SPPR_MLEDGA_0028-Product photo

Dimensional drawing





| Product | D1 | D | A1 | A2 | A3 |
|------------------------------------|-------|-------|--------|--------|--------|
| CorePro LED PLC 6.5W 830 4P G24q-2 | 34 mm | 34 mm | 105 mm | 125 mm | 141 mm |
| CorePro LED PLC 6.5W 840 4P G24q-2 | 34 mm | 34 mm | 105 mm | 125 mm | 141 mm |
| CorePro LED PLC 9W 840 4P G24q-3 | 34 mm | 34 mm | 129 mm | 148 mm | 164 mm |

| 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 | 70 % |
| (Nom) | |
| | |
| Operating and Electrical | |
| Input Frequency | 30000-80000 Hz |
| Line Frequency | 30000-80000 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 |
|--------------|------------------------------------|----------|
| 929001201002 | CorePro LED PLC 6.5W 830 4P G24q-2 | G24q-2 |
| 929001201102 | CorePro LED PLC 6.5W 840 4P G24q-2 | G24q-2 |
| 929001200902 | CorePro LED PLC 9W 840 4P G24q-3 | G24q-3 |

CorePro LED PLC 4P

Light Technical

| | | Correlated Color | | |
|--------------|----------------------|------------------|-------|---------------|
| | | Temperature | Color | |
| Order Code | Full Product Name | (Nom) | Code | Luminous Flux |
| 929001201002 | CorePro LED PLC 6.5W | 3000 K | 830 | 650 lm |
| | 830 4P G24q-2 | | | |
| 929001201102 | CorePro LED PLC 6.5W | 4000 K | 840 | 700 lm |
| | 840 4P G24q-2 | | | |

| | | Correlated Color | | |
|--------------|--------------------|------------------|-------|---------------|
| | | Temperature | Color | |
| Order Code | Full Product Name | (Nom) | Code | Luminous Flux |
| 929001200902 | CorePro LED PLC 9W | 4000 K | 840 | 1,000 lm |
| | 840 4P G24q-3 | | | |

Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|--------------|------------------------------------|-------------------|
| 929001201002 | CorePro LED PLC 6.5W 830 4P G24q-2 | 6.5 W |
| 929001201102 | CorePro LED PLC 6.5W 840 4P G24q-2 | 6.5 W |

| Order Code | Full Product Name | Power Consumption |
|--------------|----------------------------------|-------------------|
| 929001200902 | CorePro LED PLC 9W 840 4P G24q-3 | 9 W |

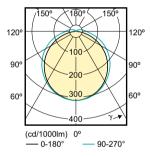
Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|------------------------------------|----------------------|
| 929001201002 | CorePro LED PLC 6.5W 830 4P G24q-2 | 66 °C |
| 929001201102 | CorePro LED PLC 6.5W 840 4P G24q-2 | 66 °C |

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|----------------------------------|----------------------|
| 929001200902 | CorePro LED PLC 9W 840 4P G24q-3 | 76 °C |

Approval and Application

| | | Energy Consumption kWh/ |
|--------------|------------------------------------|-------------------------|
| Order Code | Full Product Name | 1000 h |
| 929001201002 | CorePro LED PLC 6.5W 830 4P G24q-2 | 7 kWh |
| 929001201102 | CorePro LED PLC 6.5W 840 4P G24q-2 | 7 kWh |
| 929001200902 | CorePro LED PLC 9W 840 4P G24q-3 | 9 kWh |





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