PHILIPS Lighting



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

- \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

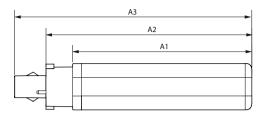
- Highly energy-efficient
- \cdot Easy installation
- \cdot Conventional form factor to fit into existing luminaires
- No mercury

Application

 $\boldsymbol{\cdot}$ Hospitality, retail, office, industrial and home applications

CorePro LED PLC 2P

Dimensional drawing





| Product | D1 | D2 | A1 | A2 | A3 |
|----------------------------|-------|-------|--------|--------|--------|
| LED PLC 6.9W 830 2P G24d-2 | 34 mm | 34 mm | 106 mm | 125 mm | 148 mm |
| LED PLC 6.9W 840 2P G24d-2 | 34 mm | 34 mm | 106 mm | 125 mm | 148 mm |
| LED PLC 8.9W 830 2P G24d-3 | 34 mm | 34 mm | 129 mm | 148 mm | 171 mm |
| LED PLC 8.9W 840 2P G24d-3 | 34 mm | 34 mm | 129 mm | 148 mm | 171 mm |

| A3 | |
|------------------|--|
| A2 | |
| A1 | |
| | |
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| Product | D1 | D | A1 | A2 | A3 |
|----------------------------|-------|-------|--------|--------|--------|
| LED PLC 6.5W 840 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 |



| General Information | |
|---------------------------------|---------------|
| Switching Cycle | 50,000 |
| Nominal lifetime | 30,000 h |
| | |
| Light Technical | |
| Beam Angle (Nom) | 120 degree(s) |
| LLMF At End Of Nominal Lifetime | 70 % |
| (Nom) | |
| | |
| Operating and Electrical | |
| Input Frequency | 50 to 60 Hz |
| Starting Time (Nom) | 0.5 s |
| | |
| Controls and Dimming | |
| Dimmable | No |
| | |
| Mechanical and Housing | |
| Bulb Shape | PL-C |

General Information

| Order Code | Full Product Name | Cap-Base |
|--------------|----------------------------|----------|
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | G24d-2 |
| 929003757208 | LED PLC 6.9W 830 2P G24d-2 | G24d-2 |
| 929003757308 | LED PLC 6.9W 840 2P G24d-2 | G24d-2 |
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | G24d-3 |
| 929003757408 | LED PLC 8.9W 830 2P G24d-3 | G24d-3 |
| 929003757508 | LED PLC 8.9W 840 2P G24d-3 | G24d-3 |

Light Technical

| | | Correlated | | | |
|------------|----------------------|------------------------|-------------------|--------------------|-----------------------|
| | | Color | Color | | |
| | Full Product | Temperature | rendering | Color | Luminous |
| | | | | | |
| Order Code | Name | (Nom) | index (CRI) | Code | Flux |
| | Name LED PLC 6.5W | (Nom) 4000 K | index (CRI) 83 | Code 840 | Flux 700 lm |

| | | Correlated | | | |
|--------------|---------------|-------------|-------------|-------|----------|
| | | Color | Color | | |
| | Full Product | Temperature | rendering | Color | Luminous |
| Order Code | Name | (Nom) | index (CRI) | Code | Flux |
| 929003757208 | LED PLC 6.9W | 3000 K | 82 | 830 | 700 lm |
| | 830 2P G24d-2 | | | | |

CorePro LED PLC 2P

| | | Correlated | | | | | | Correlated | | | |
|--------------|---------------|-------------|-------------|-------|----------|--------------|---------------|-------------|-------------|-------|----------|
| | | Color | Color | | | | | Color | Color | | |
| | Full Product | Temperature | rendering | Color | Luminous | | Full Product | Temperature | rendering | Color | Luminous |
| Order Code | Name | (Nom) | index (CRI) | Code | Flux | Order Code | Name | (Nom) | index (CRI) | Code | Flux |
| 929003757308 | LED PLC 6.9W | 4000 K | 82 | 840 | 770 lm | 929003757408 | LED PLC 8.9W | 3000 K | 82 | 830 | 990 lm |
| | 840 2P G24d-2 | | | | | | 830 2P G24d-3 | | | | |
| 929001201208 | LED PLC 8.5W | 3000 K | 83 | 830 | 950 lm | 929003757508 | LED PLC 8.9W | 4000 K | 82 | 840 | 1,100 lm |
| | 830 2P G24d-3 | | | | | | 840 2P G24d-3 | | | | |

Operating and Electrical

| | | Line | Power | Wattage |
|--------------|-------------------|-------------|-------------|------------|
| Order Code | Full Product Name | Frequency | Consumption | Equivalent |
| 929001201508 | LED PLC 6.5W 840 | 50 to 60 Hz | 6.5 W | - |
| | 2P G24d-2 | | | |
| 929003757208 | LED PLC 6.9W 830 | - | 6.9 W | 18 W |
| | 2P G24d-2 | | | |
| 929003757308 | LED PLC 6.9W 840 | - | 6.9 W | 18 W |
| | 2P G24d-2 | | | |

| Order Code | Full Product Name | Line Frequency | Power Consumption | Wattage Equivalent |
|--------------|-------------------|-------------------|----------------------|-----------------------|
| order code | r utt roduce Hume | requercy | consumption | Equivatent |
| 929001201208 | LED PLC 8.5W 830 | 50 to 60 Hz | 8.5 W | - |
| | 2P G24d-3 | | | |
| 929003757408 | LED PLC 8.9W 830 | - | 8.9 W | 26 W |
| | 2P G24d-3 | | | |
| 929003757508 | LED PLC 8.9W 840 | - | 8.9 W | 26 W |
| | 2P G24d-3 | | | |

Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|----------------------------|----------------------|
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | 65 °C |
| 929003757208 | LED PLC 6.9W 830 2P G24d-2 | 75 °C |
| 929003757308 | LED PLC 6.9W 840 2P G24d-2 | 75 ℃ |

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|----------------------------|----------------------|
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | 75 ℃ |
| 929003757408 | LED PLC 8.9W 830 2P G24d-3 | 75 ℃ |
| 929003757508 | LED PLC 8.9W 840 2P G24d-3 | 75 ℃ |

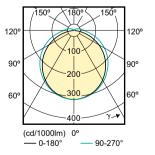
Mechanical and Housing

| Order Code | Full Product Name | Bulb Finish |
|--------------|----------------------------|-------------|
| 929001201508 | LED PLC 6.5W 840 2P G24d-2 | - |
| 929003757208 | LED PLC 6.9W 830 2P G24d-2 | Frosted |
| 929003757308 | LED PLC 6.9W 840 2P G24d-2 | Frosted |

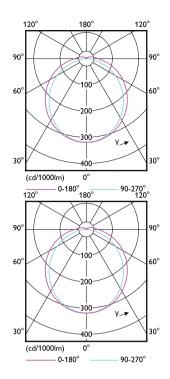
| Order Code | Full Product Name | Bulb Finish |
|--------------|----------------------------|-------------|
| 929001201208 | LED PLC 8.5W 830 2P G24d-3 | - |
| 929003757408 | LED PLC 8.9W 830 2P G24d-3 | Frosted |
| 929003757508 | LED PLC 8.9W 840 2P G24d-3 | Frosted |

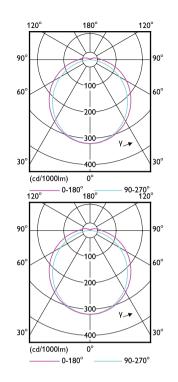
Approval and Application

| | | | Energy |
|--------------|---------------------|---------------------|-------------|
| | | Ambient temperature | Consumption |
| Order Code | Full Product Name | range | kWh/1000 h |
| 929001201508 | LED PLC 6.5W 840 2P | -20 °C to 35 °C | 9 kWh |
| | G24d-2 | | |
| 929003757208 | LED PLC 6.9W 830 2P | -20 to +35 °C | - |
| | G24d-2 | | |
| 929003757308 | LED PLC 6.9W 840 2P | -20 to +35 °C | - |
| | G24d-2 | | |
| 929001201208 | LED PLC 8.5W 830 2P | -20 °C to 35 °C | 11 kWh |
| | G24d-3 | | |
| 929003757408 | LED PLC 8.9W 830 2P | -20 to +35 °C | - |
| | G24d-3 | | |
| 929003757508 | LED PLC 8.9W 840 2P | -20 to +35 °C | - |
| | G24d-3 | | |
| | | | |



CorePro LED PLC 2P







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