



The new generation of energy-saving LED PLL tube lighting

CorePro LED PLL

Philips CorePro LED PLL is the ideal uplamping solution for downlights & luminaires 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 cost thanks to a lower energy consumption than conventional PLL lamps, as well as lower maintenance cost thanks to a 2-3 times longer lifetime than conventional lamps
- Simple lamp-for-lamp replacement, re-using the existing fixture without major modifications, using a similar PLL form-factor
- Fastest and easiest way to upgrade existing luminaires to LED technology

Features

- High quality of light, no flickering nor stroboscoping effect
- Instant 100% light
- Choice of 3000 K, 4000 K & 6500 K

Application

- Hospitality
- Retail
- Office (stairways, corridors)
- Industrial areas

CorePro LED PLL

Versions

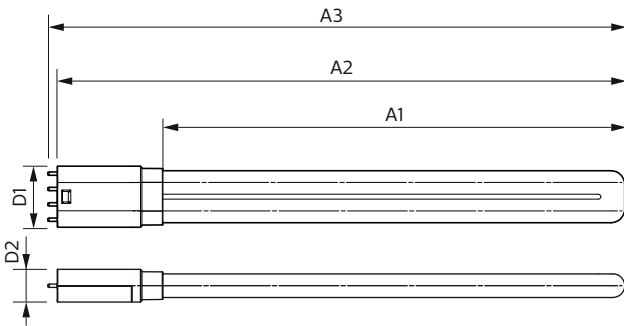


2G11

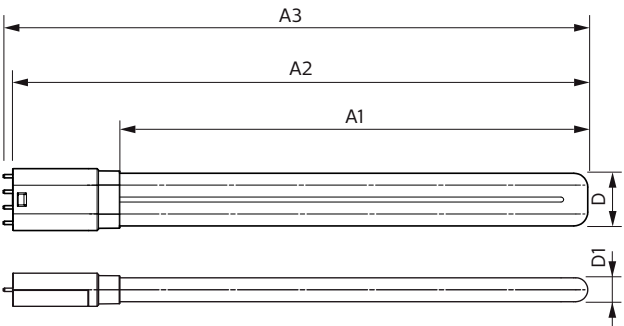


LEDtube 2G11

Dimensional drawing



| Product | D1 | D2 | A1 | A2 | A3 |
|--------------------------------------|---------|---------|----------|--------|----------|
| CorePro LED PLL HF 16.5W 840 4P 2G11 | 43.6 mm | 23.4 mm | 329.5 mm | 405 mm | 411.6 mm |



| Product | D | D1 | A1 | A2 | A3 |
|------------------------------------|---------|-------|--------|----------|----------|
| CorePro LED PLL HF 24W 865 4P 2G11 | 37.6 mm | 17 mm | 453 mm | 528.5 mm | 535.1 mm |

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Controls and dimming

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

Operating and electrical

| | |
|---------------------|---------|
| Voltage (Nom) | 53-77 V |
| Starting Time (Nom) | 0.5 s |

General information

| | |
|------------------------|---------|
| Cap-Base | 2G11 |
| Nominal Lifetime (Nom) | 30000 h |
| Switching Cycle | 50000X |

Light technical

| | |
|---------------------------------------|-------|
| Beam Angle (Nom) | 160 ° |
| Color Rendering Index (Nom) | 83 |
| Llmf At End Of Nominal Lifetime (Nom) | 70 % |

Mechanical and housing

| | |
|------------|--------------------|
| Bulb Shape | Tube, single-ended |
|------------|--------------------|

Temperature

| | |
|----------------------|--------|
| T-Ambient (Max) | 45 °C |
| T-Ambient (Min) | -20 °C |
| T-Case Maximum (Nom) | 70 °C |
| T-Storage (Min) | -40 °C |

Approval and application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|--------------|--------------------------------------|-------------------------------|
| 929001381602 | CorePro LED PLL HF 16.5W 840 4P 2G11 | 17 kWh |
| 929001920602 | CorePro LED PLL HF 24W 865 4P 2G11 | 24 kWh |

Operating and electrical

| Order Code | Full Product Name | Input Frequency | Power (Nom) |
|--------------|--------------------------------------|-----------------|-------------|
| 929001381602 | CorePro LED PLL HF 16.5W 840 4P 2G11 | 39000-71000 Hz | 16.5 W |

| Order Code | Full Product Name | Input Frequency | Power (Nom) |
|--------------|------------------------------------|-----------------|-------------|
| 929001920602 | CorePro LED PLL HF 24W 865 4P 2G11 | 20000-70000 Hz | 24 W |

Light technical

| Order Code | Full Product Name | Color Code | Correlated Color | |
|--------------|--------------------------------------|------------|-------------------|---------------------|
| | | | Temperature (Nom) | Luminous Flux (Nom) |
| 929001381602 | CorePro LED PLL HF 16.5W 840 4P 2G11 | 840 | 4000 K | 2100 lm |

| Order Code | Full Product Name | Color Code | Correlated Color | |
|--------------|------------------------------------|------------|-------------------|---------------------|
| | | | Temperature (Nom) | Luminous Flux (Nom) |
| 929001920602 | CorePro LED PLL HF 24W 865 4P 2G11 | 865 | 6500 K | 3400 lm |

Temperature

| Order Code | Full Product Name | T-Storage (Max) |
|--------------|--------------------------------------|-----------------|
| 929001381602 | CorePro LED PLL HF 16.5W 840 4P 2G11 | 60 °C |
| 929001920602 | CorePro LED PLL HF 24W 865 4P 2G11 | 65 °C |

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