



# CorePro LED PLL



## CorePro LED PLL Mains 24W 830 4P

CorePro, LED, PL-L, Mains, 528 mm, 24 W, 55W PL-L, 3000 K, 3200 lm, CRI 80, 30000 hour(s)

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.

### Product data

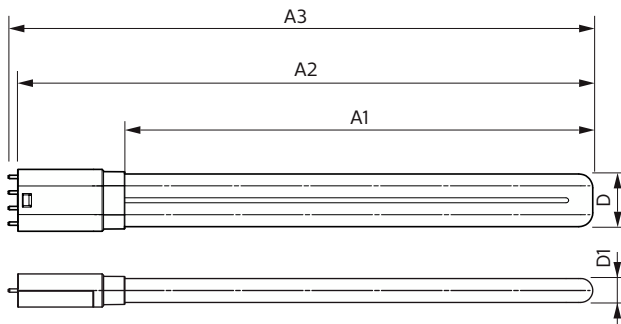
| General Information                   |                    | Photobiological safety according to EN 62471                                 |             |
|---------------------------------------|--------------------|--|-------------|
| Cap-Base                              | 2G11               |  | RG0         |
| Nominal lifetime                      | 30,000 hour(s)     | <b>Operating and Electrical</b>  |             |
| Switching Cycle                       | 200,000            | Line Frequency   | 50 to 60 Hz |
| Lighting Technology                   | LED                | Input Frequency  | 50 to 60 Hz |
| Flux measurement reference            | Sphere             | Power Consumption  | 24 W        |
| Warranty period                       | 3 years            | Lamp Current (Nom)   | 127 mA      |
| <b>Light Technical</b>                |                    | Starting Time (Nom)  | 0.5 s       |
| Color Code                            | 830 [CCT of 3000K] | Warm-up time to 60% light  | 0.5 s       |
| Beam Angle (Nom)                      | 160 degree(s)      | Power Factor (Fraction)  | 0.9         |
| Luminous Flux                         | 3,200 lm           | Voltage (Nom)  | 220-240 V   |
| Color Designation                     | White (WH)         | LED alternative to fluorescent lamp power                                    | 55W PL-L    |
| Correlated Color Temperature (Nom)    | 3000 K             | Inrush current at mains  | 9.6         |
| Luminous Efficacy (rated) (Nom)       | 133 lm/W           | Max. lamp no. on MCB B type 10A - Mains                                      | 80          |
| Color Consistency                     | <6                 | Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | 80          |
| Color rendering index (CRI)           | 80                 | Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.    | 16          |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               | Max. lamp no. on MCB B type 16A - Mains                                      | 128         |

# CorePro LED PLL

|  |                                       |
|--|---------------------------------------|
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | 128                                   |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.    | 25                                    |
| Ballast Compatibility  | Mains                                 |
| <b>Temperature</b>   |                                       |
| T-Case Maximum (Nom)   | 75 °C                                 |
| <b>Controls and Dimming</b>  |                                       |
| Dimmable   | No                                    |
| <b>Mechanical and Housing</b>  |                                       |
| Bulb Finish  | Frosted                               |
| Bulb Material  | Glass                                 |
| Product Length   | 528 mm                                |
| Bulb Shape   | PL-L                                  |
| Net Weight (Piece)   | 0.192 kg                              |
| <b>Approval and Application</b>  |                                       |
| Energy Efficiency Class  | E                                     |
| Energy Saving Product  | Yes                                   |
| Approval Marks   | RoHS compliance KEMA Keur certificate |

|   |                                  |
|---|----------------------------------|
| Energy Consumption kWh/1000 h                                   | 24 kWh                           |
| EPREL Registration Number                                       | 1370829                          |
| CE mark   | Yes                              |
| EU RoHS compliant   | Yes                              |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1                                |
| Stroboscopic effect visibility measure (SVM)                    | 0.4                              |
| Ambient temperature range                                       | -20 °C to 45 °C                  |
| <b>Product Data</b>   |                                  |
| Order product name  | CorePro LED PLL Mains 24W 830 4P |
| Full product name   | CorePro LED PLL Mains 24W 830 4P |
| Full product code   | 872016915711800                  |
| Order code  | 15711800                         |
| Material Nr. (12NC)   | 929003592802                     |
| Numerator - Quantity Per Pack                                   | 1                                |
| EAN/UPC - Product/Case  | 8720169157118                    |
| Numerator - Packs per outer box                                 | 10                               |
| EAN/UPC - Case  | 8720169157125                    |

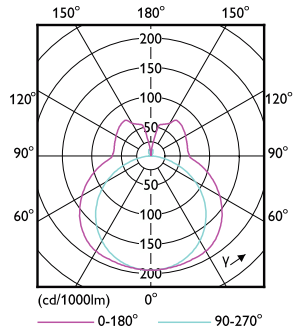
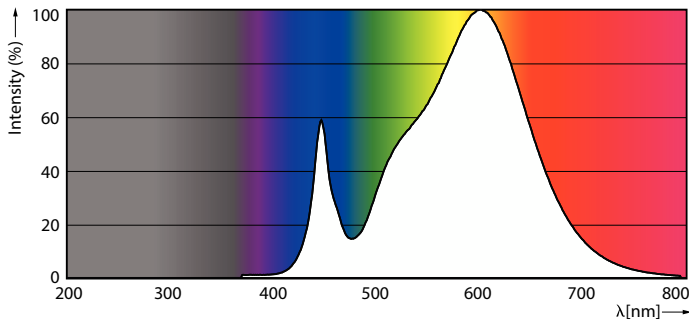
## Dimensional drawing



| Product                          | D1    | D2    | A1     | A2     | A3     |
|----------------------------------|-------|-------|--------|--------|--------|
| CorePro LED PLL Mains 24W 830 4P | 17 mm | 38 mm | 453 mm | 528 mm | 535 mm |

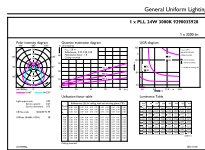
# CorePro LED PLL

## Photometric data



Spectral Power Distribution Colour - CorePro LED PLL Mains 24W 830 4P

Light Distribution Diagram - CorePro LED PLL Mains 24W 830 4P



General uniform lighting - CorePro LED PLL Mains 24W 830 4P

## Lifetime



Life Expectancy Diagram



LifetimeVsTc

# CorePro LED PLL

## Lifetime



Lumen Maintenance Diagram - CorePro LED PLL Mains 24W 830 4P

FailureRate



Lumen Maintenance Diagram - CorePro LED PLL Mains 24W 830 4P

