# CorePro LED PLC 2P

F A↑G

## CorePro LED PLC 4.5W 830 2P G24d-1

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.

## Product data

### General Information

| | |
|---|---|
| Cap-Base | G24d-1 |
| Nominal lifetime | 30,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Sphere |

### Light Technical

| | |
|---|---|
| Color Code | 830 [CCT of 3000K] |
| Beam Angle (Nom) | 120 degree(s) |
| Luminous Flux | 475 lm |
| Color Designation | White (WH) |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 105.00 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 83 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Photobiological safety according to EN 62471 | RG0 |

### Operating and Electrical

| | |
|---|---|
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 4.5 W |

| | |
|---|---|
| Lamp Current (Max) | 25 mA |
| Lamp Current (Min) | 20 mA |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 220-240 V |
| Ballast Compatibility | EM |
| LED alternative to fluorescent lamp power | 13 W |
| Inrush current at mains | 2.5 |
| Max. lamp no. on MCB B type 10A - Mains | 191 |
| Max. lamp no. on MCB B type 10A - EM ballast without Compensation Capacitor. | 220 |
| Max. lamp no. on MCB B type 10A - EM ballast with Compensation Capacitor. | 30 |
| Max. lamp no. on MCB B type 16A - Mains | 306 |
| Max. lamp no. on MCB B type 16A - EM ballast without Compensation Capacitor. | 330 |
| Max. lamp no. on MCB B type 16A - EM ballast with Compensation Capacitor. | 49 |

### Temperature

| | |
|---|---|
| T-Case Maximum (Nom) | 60 ℃ |

# CorePro LED PLC 2P

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

| **Mechanical and Housing** | |
|---|---|
| Bulb Material | Plastic |
| Product Length | 115 mm |
| Bulb Shape | PL-C |
| Net Weight (Piece) | 0.070 kg |

| **Approval and Application** | |
|---|---|
| Energy Efficiency Class | F |
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance |
| Energy Consumption kWh/1000 h | 5 kWh |
| EPREL Registration Number | 403560 |
| CE mark | Yes |
| EU RoHS compliant | Yes |

| | |
|---|---|
| Ambient temperature range | –20 °C to 35 °C |

| **Product Data** | |
|---|---|
| Order product name | CorePro LED PLC 4.5W 830 2P G24d-1 |
| Full product name | CorePro LED PLC 4.5W 830 2P G24d-1 |
| Full product code | 871869670659600 |
| Order code | 929001350702 |
| Material Nr. (12NC) | 929001350702 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8718696706596 |
| Numerator – Packs per outer box | 10 |
| EAN/UPC – Case | 8718696706602 |

## Dimensional drawing
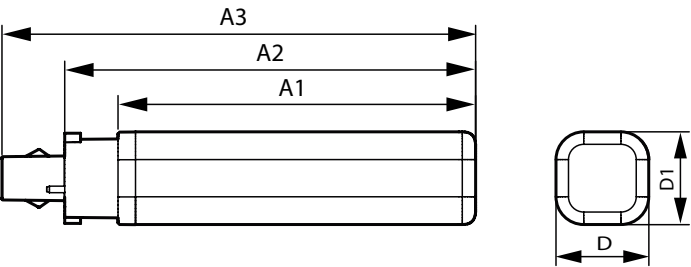


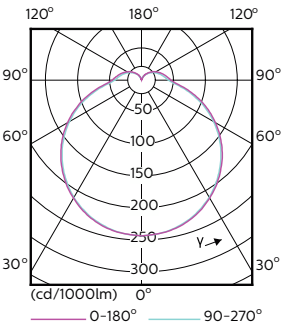| Product | D1 | D | A1 | A2 | A3 |
|---|---|---|---|---|---|
| CorePro LED PLC 4.5W 830 2P G24d-1 | 34 mm | 34 mm | 95 mm | 115 mm | 138 mm |

## Photometric data
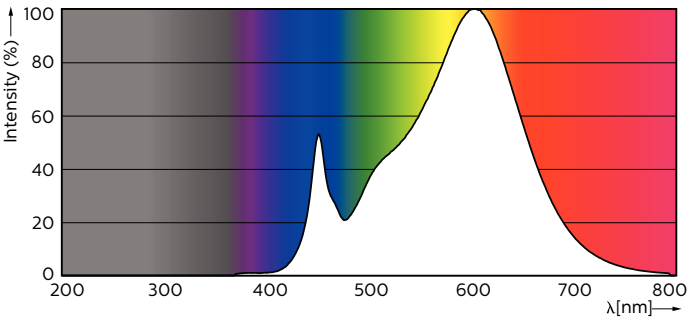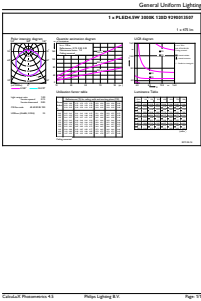


General uniform lighting – CorePro LED PLC 4.5W 830 2P G24d-1



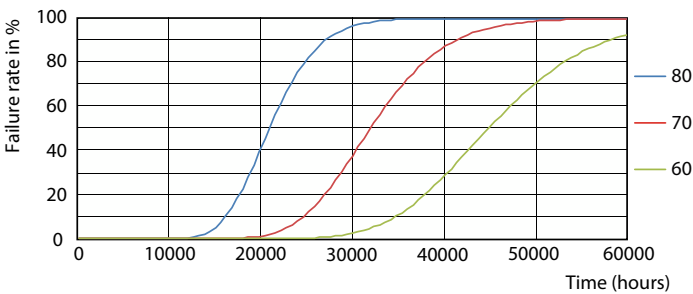Spectral Power Distribution Colour – CorePro LED PLC 4.5W 830 2P G24d-1

# CorePro LED PLC 2P
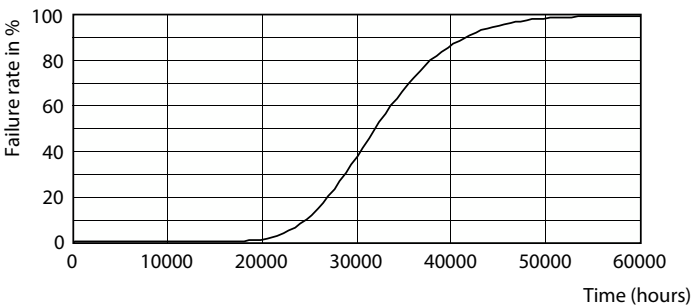
## Photometric data



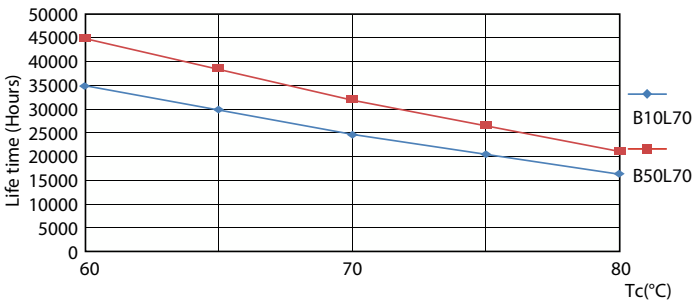Light Distribution Diagram – CorePro LED PLC 4.5W 830 2P G24d–1
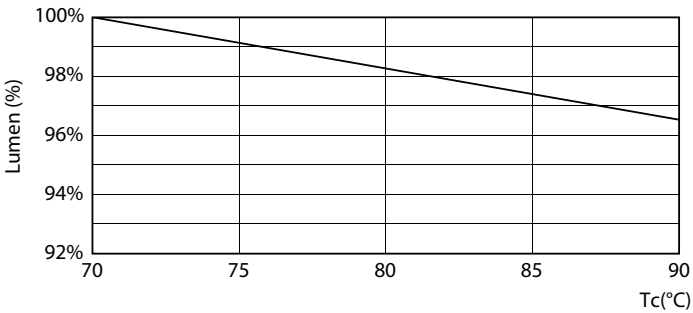
## Lifetime



FailureRate



Life Expectancy Diagram



LifetimeVsTc



Lumen Maintenance Diagram – CorePro LED PLC 4.5W 830 2P G24d–1

# CorePro LED PLC 2P

## Lifetime



Lumen Maintenance Diagram – CorePro LED PLC 4.5W 830 2P G24d-1