# CorePro LED PLC 2P

## CorePro LED PLC 6.9W 840 2P G24d-2

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-2 |
| Nominal lifetime | 30,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Sphere |

### Light Technical

| | |
|---|---|
| Color Code | 840 [CCT of 4000K] |
| Beam Angle (Nom) | 120 degree(s) |
| Luminous Flux | 770 lm |
| Luminous Efficacy (rated) (Nom) | 111 lm/W |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Color Consistency | <6 |
| Color rendering index (CRI) | 82 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Flickering value (PstLM) – Flickering value as per EN 61000-3-3 | 1 |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Photobiological safety according to EN 62471 | RG1 |

### Operating and Electrical

| | |
|---|---|
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 6.9 W |
| Lamp Current (Nom) | 38 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 |
| LED alternative to fluorescent lamp power | 18 W |
| Inrush current at mains | 2.78 |
| Max. lamp no. on MCB B type 10A – Mains | 264 |
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | 264 |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor. | – |
| Max. lamp no. on MCB B type 16A – Mains | 422 |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | 422 |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor. | – |
| Ballast Compatibility | EM/Mains |

# CorePro LED PLC 2P

| Temperature | |
|---|---|
| Ambient temperature range | –20 to +35 °C |
| T–Case Maximum (Nom) | 75 °C |

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

| Mechanical and Housing | |
|---|---|
| Bulb Finish | Frosted |
| Bulb Material | Plastic |
| Product Length | 100 mm |
| Bulb Shape | PL–C |

| Approval and Application | |
|---|---|
| Energy Efficiency Class | E |
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance CE marking KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 7 kWh |

| | |
|---|---|
| EPREL Registration Number | 1820628 |
| CE mark | Yes |
| EU RoHS compliant | Yes |

| Product Data | |
|---|---|
| Order product name | CorePro LED PLC 6.9W 840 2P G24d–2 |
| Full product name | CorePro LED PLC 6.9W 840 2P G24d–2 |
| Full product code | 872016928756300 |
| Order code | 929003757302 |
| Material Nr. (12NC) | 929003757302 |
| Net Weight (Piece) | 0.075 kg |
| EAN/UPC – Product/Case | 8720169287563 |
| Numerator – Packs per outer box | 10 |
| EAN/UPC – Case | 8720169287570 |

## Dimensional drawing
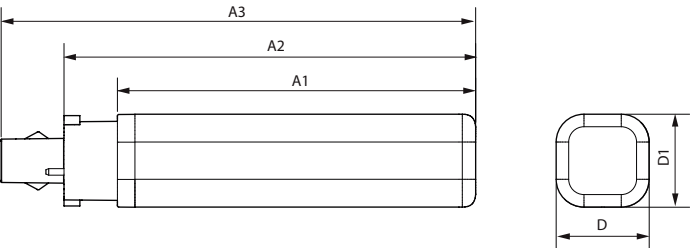


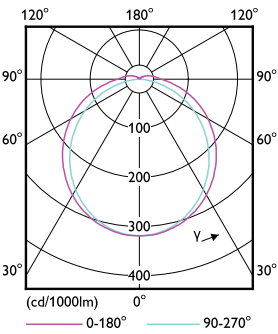| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| CorePro LED PLC 6.9W 840 2P G24d–2 | 34 mm | | 129 mm | 148 mm | 171 mm |

## Photometric data
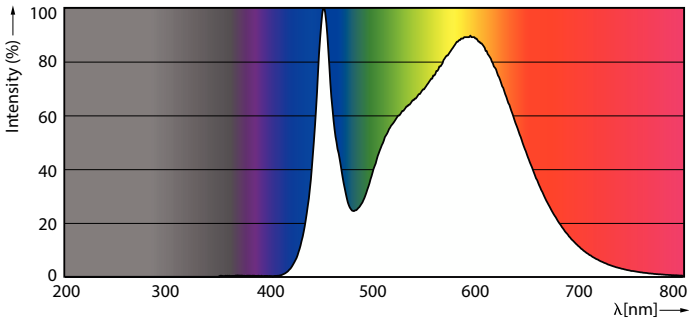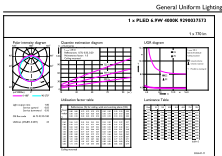


General uniform lighting – CorePro LED PLC 6.9W 840 2P G24d–2



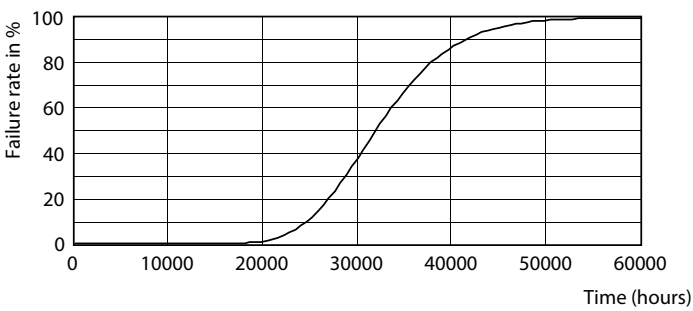Spectral Power Distribution Colour – CorePro LED PLC 6.9W 840 2P G24d–2
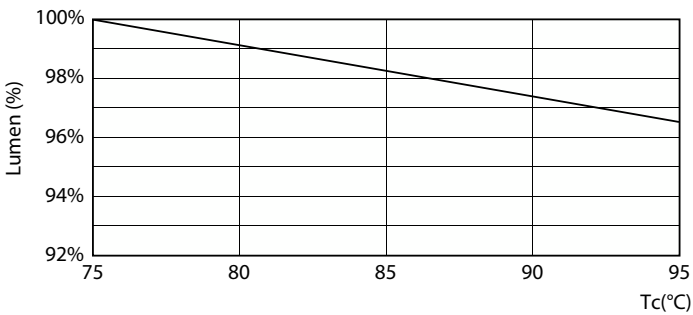
# CorePro LED PLC 2P
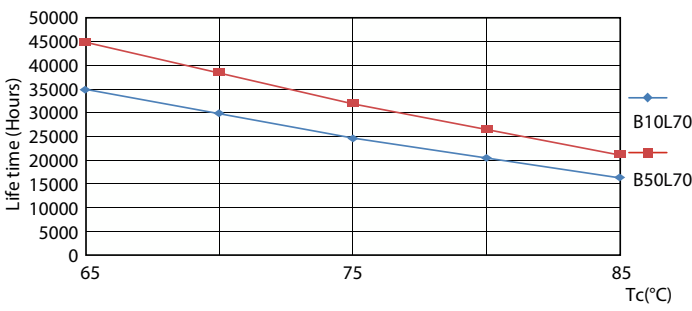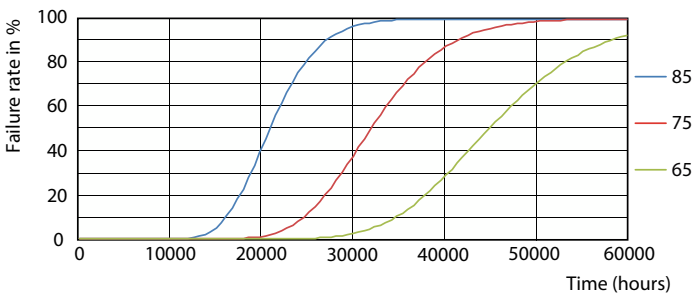
## Photometric data

## Lifetime



Life Expectancy Diagram



LifetimeVsTc



Lumen Maintenance Diagram – CorePro LED PLC 6.9W 840 2P G24d-2



FailureRate

# CorePro LED PLC 2P

## Lifetime



Lumen Maintenance Diagram – CorePro LED PLC 6.9W 840 2P G24d-2

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2024, May 20 – data subject to change