# CorePro LED PLC 2P

## LED PLC 6.5W 865 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 |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Color Code** | 865 [CCT of 6500K] |
| **Beam Angle (Nom)** | 120 degree(s) |
| **Luminous Flux** | 700 lm |
| **Color Designation** | Cool Daylight |
| **Correlated Color Temperature (Nom)** | 6500 K |
| **Luminous Efficacy (rated) (Nom)** | 107.00 lm/W |
| **Color Consistency** | <6 |
| **Color rendering index (CRI)** | 83 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |

| Operating and Electrical | |
|---|---|
| **Line Frequency** | 50 to 60 Hz |
| **Input Frequency** | 50 to 60 Hz |
| **Power Consumption** | 6.5 W |
| **Lamp Current (Max)** | 35 mA |
| **Lamp Current (Min)** | 25 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 |

| Temperature | |
|---|---|
| **Ambient temperature range** | -20 °C to 35 °C |
| **T-Case Maximum (Nom)** | 65 °C |

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

| Mechanical and Housing | |
|---|---|
| **Product Length** | 100 mm |
| **Bulb Shape** | PL-C |

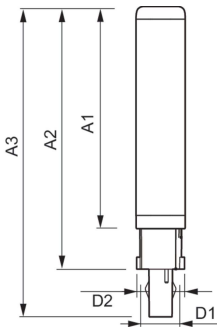
| Approval and Application | |
|---|---|
| **Energy Saving Product** | Yes |
| **Approval Marks** | TUV CE marking RoHS compliance KEMA Keur certificate |
| **Energy Consumption kWh/1000 h** | 9 kWh |

# CorePro LED PLC 2P

| Product Data | |
|---|---|
| **Order product name** | LED PLC 6.5W 865 2P G24d-2 |
| **Full product name** | LED PLC 6.5W 865 2P G24d-2 |
| **Full product code** | 871869666997600 |
| **Order code** | 929001280208 |
| **Material Nr. (12NC)** | 929001280208 |

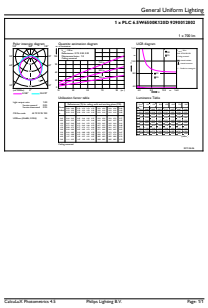
| | |
|---|---|
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696669976 |
| **Numerator - Packs per outer box** | 10 |
| **EAN/UPC - Case** | 8718696669983 |

## Dimensional drawing

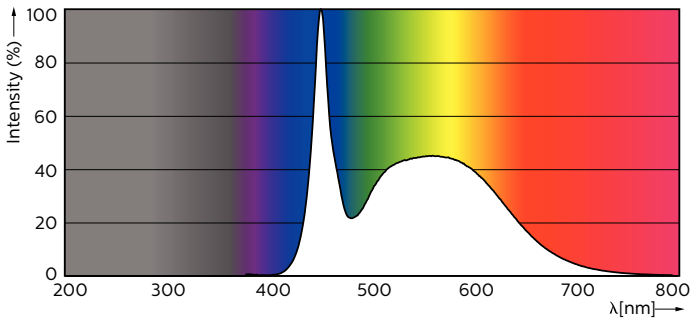



| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| LED PLC 6.5W 865 2P G24d-2 | 24.3 mm | 28.4 mm | 105.8 mm | 125 mm | 147.6 mm |

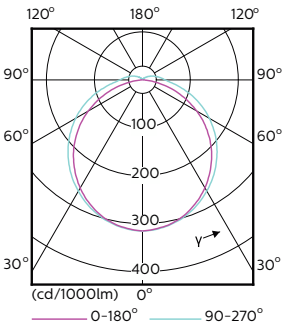
## Photometric data



General uniform lighting - LED PLC 6.5W 865 2P G24d-2

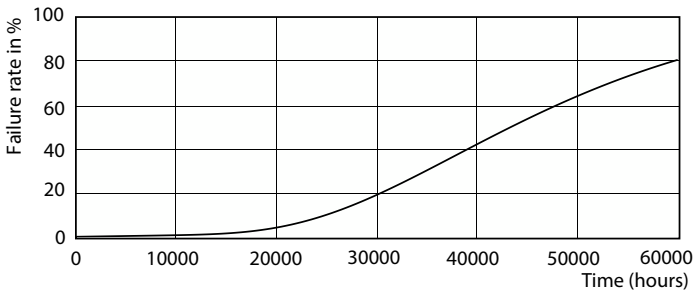



Spectral Power Distribution Colour - LED PLC 6.5W 865 2P G24d-2

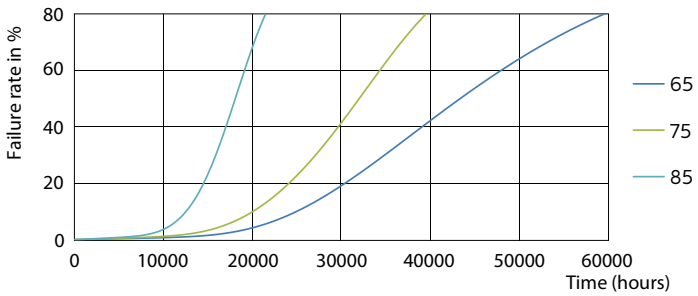



Light Distribution Diagram - LED PLC 6.5W 865 2P G24d-2

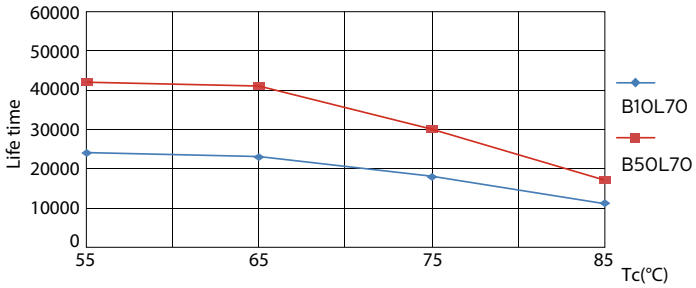
## Lifetime



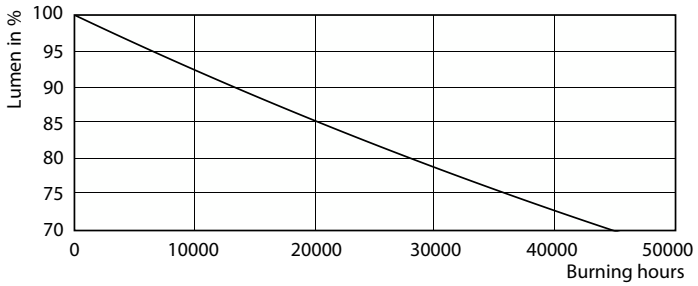

Life Expectancy Diagram - LED PLC 6.5W 865 2P G24d-2



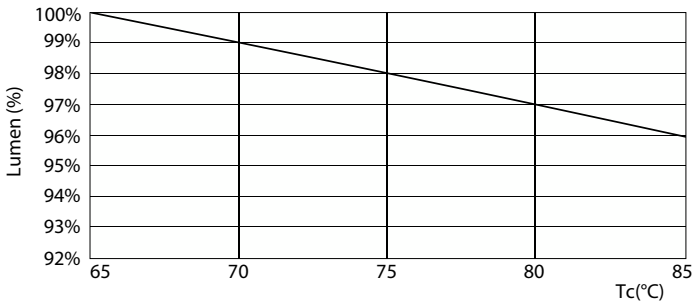

Life Expectancy Diagram - LED PLC 6.5W 865 2P G24d-2




Life Expectancy Diagram - LED PLC 6.5W 865 2P G24d-2




Lumen Maintenance Diagram - LED PLC 6.5W 865 2P G24d-2




Lumen Maintenance Diagram - LED PLC 6.5W 865 2P G24d-2

# CorePro LED PLC 2P

© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2024, March 21 - data subject to change