



# CorePro LED PLC 2P

## CorePro LED PLC 6.5W 830 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                          |                    | Input Frequency   |             |
|--|--------------------|---|-------------|
| Cap-Base                                     | G24d-2             | Power Consumption   | 50 to 60 Hz |
| Nominal lifetime                             | 30,000 hour(s)     | Lamp Current (Max)  | 6.5 W       |
| Switching Cycle                              | 50,000             | Lamp Current (Min)  | 35 mA       |
| Lighting Technology                          | LED                | Starting Time (Nom)   | 25 mA       |
| Flux measurement reference                   | Sphere             | Warm-up time to 60% light                                       | 0.5 s       |
| CE mark                                      | Yes                | Power Factor (Fraction)   | 0.9         |
| EU RoHS compliant                            | Yes                | Voltage (Nom)   | 220-240 V   |
|  |                    | LED alternative to fluorescent lamp power                       | 18 W        |
|  |                    | Inrush current at mains   | 3.4         |
|  |                    | Max. lamp no. on MCB B type 10A - Mains                         | 123         |
|  |                    | Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap. | 150         |
|  |                    | Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.    | 30          |
|  |                    | Max. lamp no. on MCB B type 16A - Mains                         | 197         |
|  |                    | Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap. | 220         |
|  |                    | Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.    | 49          |
|  |                    | Ballast Compatibility   | EM          |
| Light Technical                              |                    |   |             |
| Color Code                                   | 830 [CCT of 3000K] |   |             |
| Beam Angle (Nom)                             | 120 degree(s)      |   |             |
| Luminous Flux                                | 650 lm             |   |             |
| Color Designation                            | White (WH)         |   |             |
| Correlated Color Temperature (Nom)           | 3000 K             |   |             |
| Luminous Efficacy (rated) (Nom)              | 92.31 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        |   |             |

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## Temperature

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

## Controls and Dimming

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

## Mechanical and Housing

|                |         |
|----------------|---------|
| Bulb Material  | Plastic |
| Product Length | 100 mm  |
| Bulb Shape     | PL-C    |

## Approval and Application

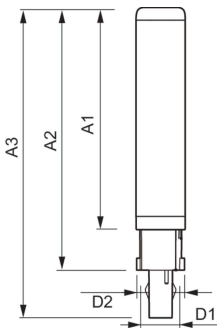
|                         |   |
|-------------------------|---|
| Energy Efficiency Class | F   |
| Energy Saving Product   | Yes   |
| Approval Marks          | TUV CE marking RoHS compliance<br>KEMA Keur certificate |

|                               |        |
|-------------------------------|--------|
| Energy Consumption kWh/1000 h | 7 kWh  |
| EPREL Registration Number     | 403556 |

## Product Data

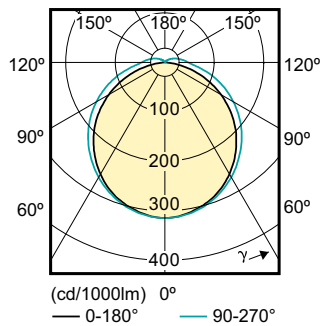
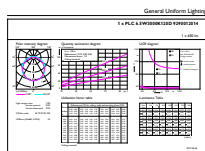
|                                 |                                       |
|---------------------------------|---------------------------------------|
| Order product name              | CorePro LED PLC 6.5W 830 2P<br>G24d-2 |
| Full product name               | CorePro LED PLC 6.5W 830 2P<br>G24d-2 |
| Full product code               | 871869654127200                       |
| Order code                      | 54127200                              |
| Material Nr. (12NC)             | 929001201402                          |
| Numerator - Quantity Per Pack   | 1                                     |
| EAN/UPC - Product/Case          | 8718696541272                         |
| Numerator - Packs per outer box | 10                                    |
| EAN/UPC - Case                  | 8718696541289                         |

## Dimensional drawing



| Product                               | D1      | D2      | A1       | A2     | A3       |
|---------------------------------------|---------|---------|----------|--------|----------|
| CorePro LED PLC 6.5W 830 2P<br>G24d-2 | 24.3 mm | 28.4 mm | 105.8 mm | 125 mm | 147.6 mm |

## Photometric data

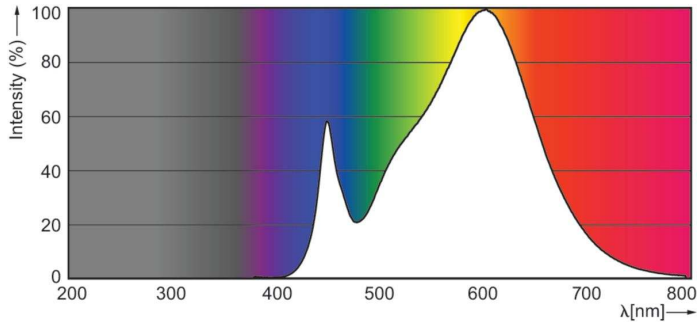


General uniform lighting - CorePro LED PLC 6.5W 830 2P G24d-2

Light Distribution Diagram - CorePro LED PLC 6.5W 830 2P G24d-2

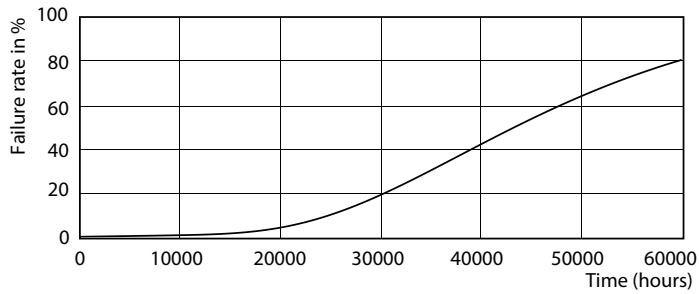
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## Photometric data

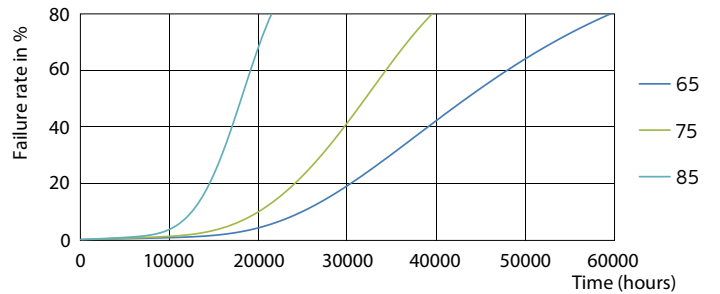


Spectral Power Distribution Colour - CorePro LED PLC 6.5W 830 2P G24d-2

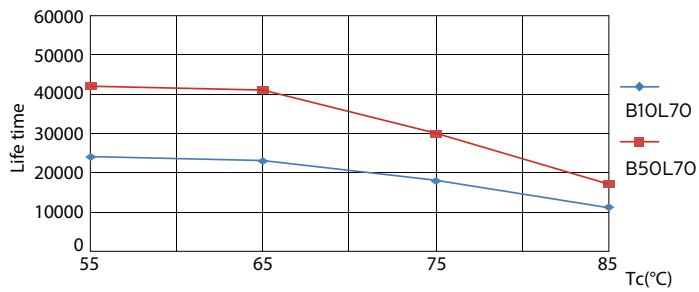
## Lifetime



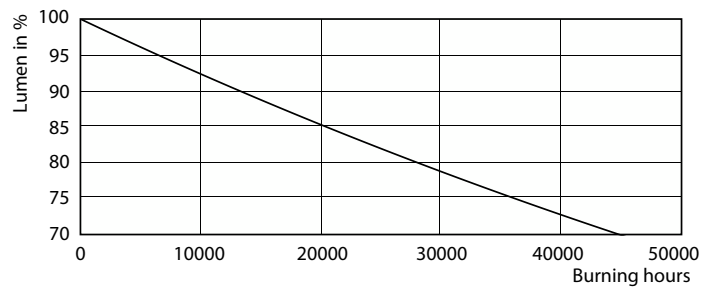
Life Expectancy Diagram - CorePro LED PLC 6.5W 830 2P G24d-2



Life Expectancy Diagram - CorePro LED PLC 6.5W 830 2P G24d-2



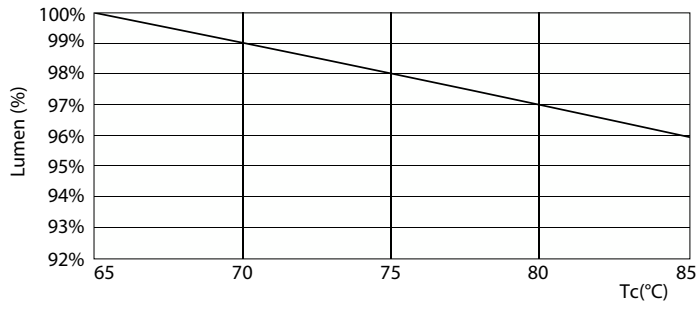
Life Expectancy Diagram - CorePro LED PLC 6.5W 830 2P G24d-2



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 2P G24d-2

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## Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 2P G24d-2

