



# CorePro LED PLC 4P



## CorePro LED PLC 6.5W 830 4P G24q-2

LED, PL-C, HF/Mains, G24Q-2 ROT, 6.5 W, 18W PL-C, 3000 K, 700 lm, CRI 82, 30000 hour(s)

The CorePro LED PLC 4P 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                              | G24q-2 ROT         |
| Nominal lifetime                      | 30,000 hour(s)     |
| Switching Cycle                       | 200,000            |
| Lighting Technology                   | LED                |
| Flux measurement reference            | Sphere             |
| Warranty period                       | 3 years            |
| Light Technical                       |                    |
| Color Code                            | 830 [CCT of 3000K] |
| Beam Angle (Nom)                      | 120 degree(s)      |
| Luminous Flux                         | 700 lm             |
| Color Designation                     | White (WH)         |
| Correlated Color Temperature (Nom)    | 3000 K             |
| Luminous Efficacy (rated) (Nom)       | 107 lm/W           |
| Color Consistency                     | <6                 |
| Color rendering index (CRI)           | 82                 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               |

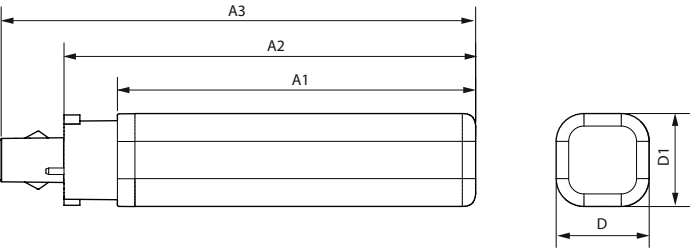
| Operating and Electrical                                                     |             |
|------------------------------------------------------------------------------|-------------|
| Input Frequency                                                              | 50 to 60 Hz |
| Power Consumption                                                            | 6.5 W       |
| Lamp Current (Nom)                                                           | 35 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                                    | 18W PL-C    |
| Inrush current at mains                                                      | 7           |
| Max. lamp no. on MCB B type 10A - Mains                                      | 222         |
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | -           |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.    | -           |
| Max. lamp no. on MCB B type 16A - Mains                                      | 350         |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | -           |

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|                                                                           |                 |
|---------------------------------------------------------------------------|-----------------|
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor. | -               |
| Ballast Compatibility                                                     | HF/Mains        |
| Temperature                                                               |                 |
| T-Case Maximum (Nom)                                                      | 70 °C           |
| Controls and Dimming                                                      |                 |
| Dimmable                                                                  | No              |
| Mechanical and Housing                                                    |                 |
| Bulb Finish                                                               | Frosted         |
| Bulb Material                                                             | Plastic         |
| Product Length                                                            | 128 mm          |
| Bulb Shape                                                                | PL-C            |
| Net Weight (Piece)                                                        | 0.100 kg        |
| Approval and Application                                                  |                 |
| Energy Efficiency Class                                                   | F               |
| Energy Saving Product                                                     | Yes             |
| Approval Marks                                                            | RoHS compliance |
| Energy Consumption kWh/1000 h                                             | 7 kWh           |
| EPREL Registration Number                                                 | 1945438         |
| 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 to +45 °C                      |
| Application Conditions                                          |                                    |
| can it be used in closed luminaires                             | Yes                                |
| Product Data                                                    |                                    |
| Order product name                                              | CorePro LED PLC 6.5W 830 4P G24q-2 |
| Full product name                                               | CorePro LED PLC 6.5W 830 4P G24q-2 |
| Full product code                                               | 872016929045700                    |
| Order code                                                      | 929003757802                       |
| Material Nr. (12NC)                                             | 929003757802                       |
| Numerator - Quantity Per Pack                                   | 1                                  |
| EAN/UPC - Product/Case                                          | 8720169290457                      |
| Numerator - Packs per outer box                                 | 10                                 |
| EAN/UPC - Case                                                  | 8720169290464                      |

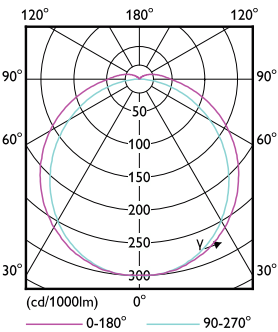
Dimensional drawing



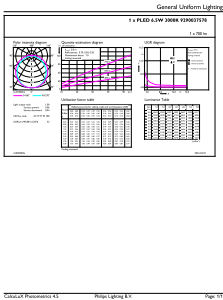
| Product                            | D1    | D2    | A1     | A2     | A3     |
|------------------------------------|-------|-------|--------|--------|--------|
| CorePro LED PLC 6.5W 830 4P G24q-2 | 34 mm | 34 mm | 109 mm | 128 mm | 144 mm |

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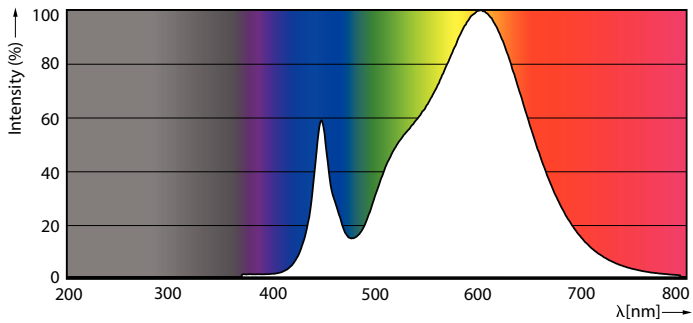
Photometric data



Light Distribution Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

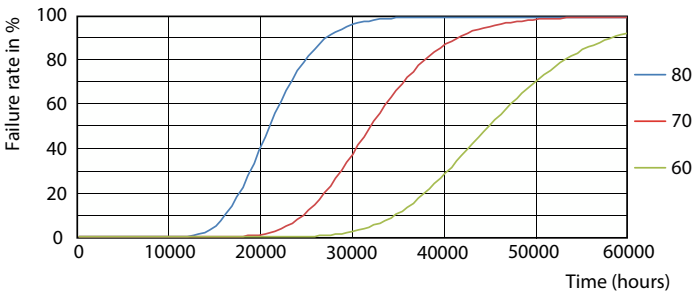


General uniform lighting - CorePro LED PLC 6.5W 830 4P G24q-2

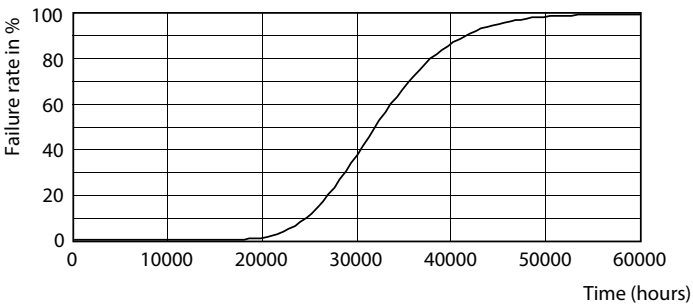


Spectral Power Distribution Colour - CorePro LED PLC 6.5W 830 4P G24q-2

Lifetime



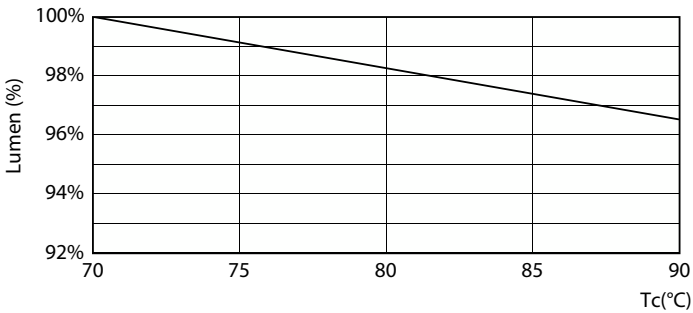
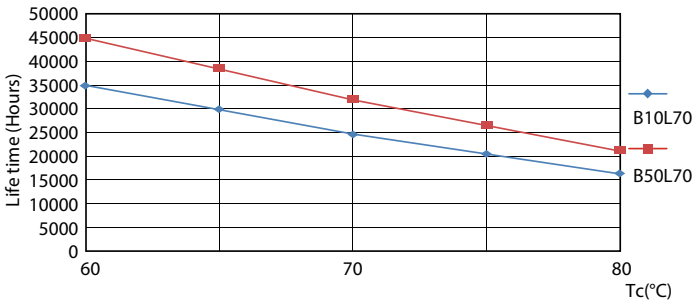
FailureRate



Life Expectancy Diagram

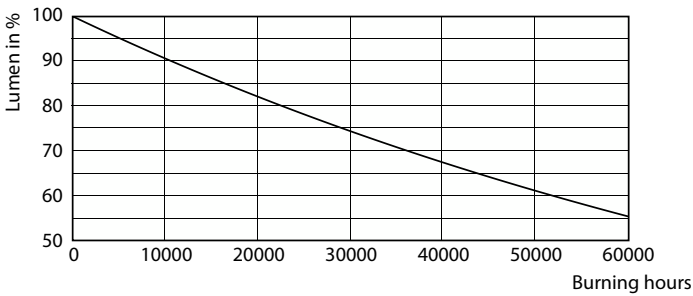
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Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

LifetimeVsTc



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

