PHILIPS

## CorePro LED HPL/SON M 2Klm13W830E27 FR

929004365102




# LED HPL, Oval, Mains, 13 W, HPL 50W, E27, 3000 K, 2000 lm, CRI 80, 25000 hour(s)




LED HPL, Oval, Mains, 13 W, LED alternative to HPL 50W, E27, 3000 K, 2000 lm, CRI 80, 25000 hour(s), 153 lm/W, EEL D, PF 0.5, Beam angle 300 degree(s), Glass, RG1, IP65, SVM 0.4, PstLM 1

### Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

## General Information

| | |
|---|---|
| Cap-Base | E27 |
| Nominal lifetime | 25,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED HPL |
| Flux measurement reference | Sphere |
| Warranty period | 3 years |

## Light Technical

| | |
|---|---|
| Color Code | 830 [CCT of 3000K] |
| Beam Angle (Nom) | 300 degree(s) |
| Luminous Flux | 2,000 lm |
| Color Designation | White (WH) |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 153 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Photobiological safety according to EN 62471 | RG1 |

## Operating and Electrical

| | |
|---|---|
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 13 W |
| Lamp Current (Nom) | 100 mA |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.5 |
| Voltage (Nom) | 220-240 V |
| Inrush current at mains | 5.9 |
| Max. lamp no. on MCB B type 10A - Mains | 53 |
| 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 | 85 |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | - |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor. | - |
| Wattage Equivalent (LED HID only) | HPL 50W |
| Ballast Compatibility | Mains |

## Temperature

| | |
|---|---|
| T-Case Maximum (Nom) | 49 °C |

## Controls and Dimming

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

## Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Frosted |
| Bulb Material | Glass |
| Bulb Shape | Oval |
| Net Weight (Piece) | 0.088 kg |

## Approval and Application

| | |
|---|---|
| Energy Efficiency Class | D |
| Energy Saving Product | Yes |
| Energy Consumption kWh/1000 h | 13 kWh |
| EPREL Registration Number | 2677831 |
| 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 | -30 to +45 °C |

## Application Conditions

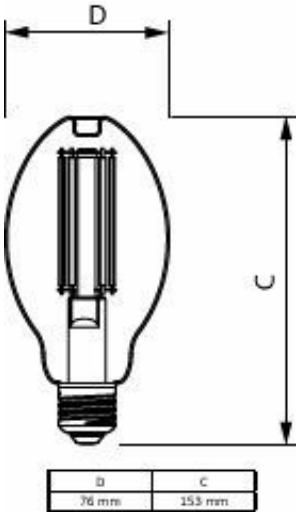
| | |
|---|---|
| can it be used in closed luminaires | Yes |
| Wireless Technology | Not applicable |

## Product Data

| | |
|---|---|
| Order product name | CorePro LED HPL/SON M 2Klm13W830E27 FR |
| Full product name | CorePro LED HPL/SON M 2Klm13W830E27 FR |
| Full product code | 872110314375400 |
| Order code | 929004365102 |

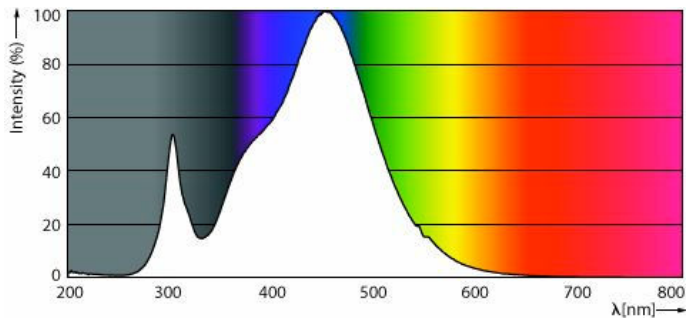
| | |
|---|---|
| Material Nr. (12NC) | 929004365102 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8721103143754 |
| Numerator - Packs per outer box | 6 |
| EAN/UPC - Case | 8721103143761 |

## Dimensional drawing

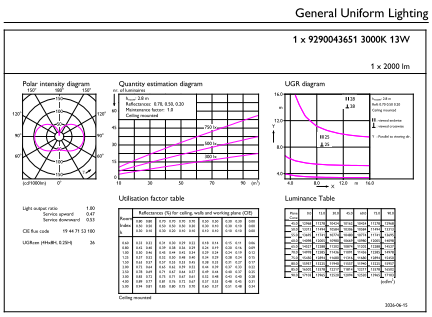



| Product | D | C |
|---|---|---|
| CorePro LED HPL/SON M 2Klm13W830E27 FR | 76 mm | 153 mm |

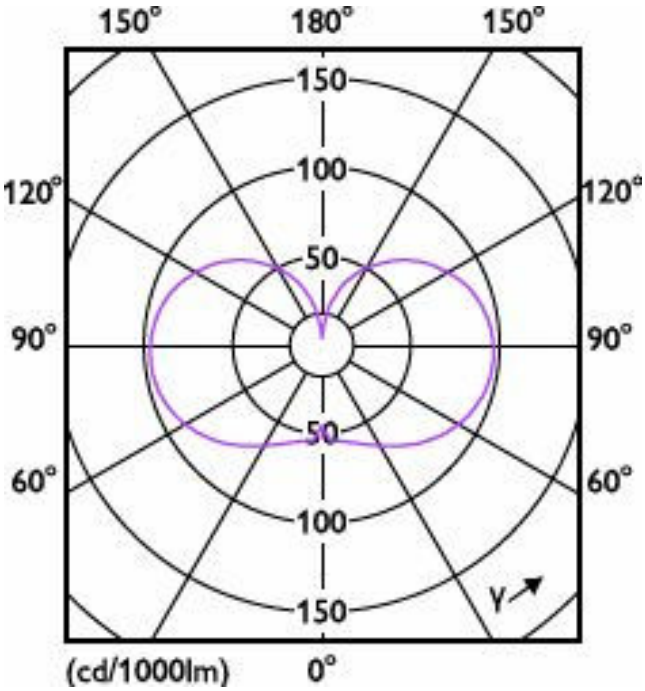
## Photometric data




Spectral Power Distribution Colour - CorePro LED HPL/SON M 2Klm13W830E27 FR

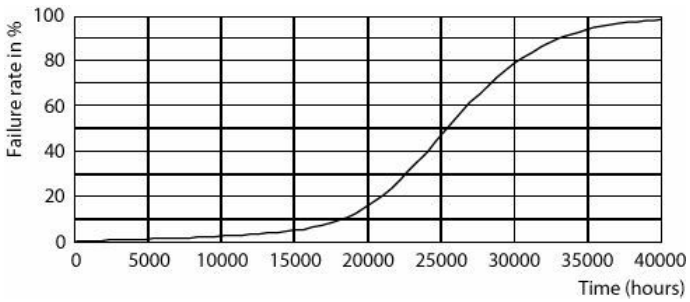



General uniform lighting - CorePro LED HPL/SON M 2Klm13W830E27 FR

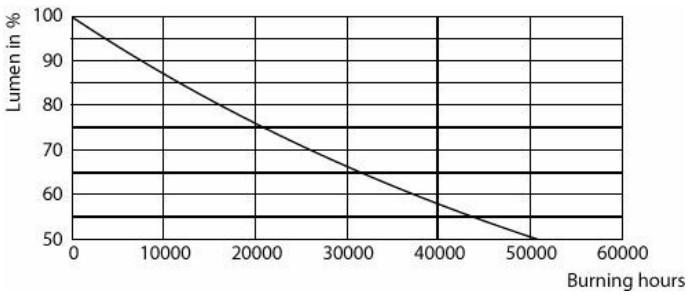



Light Distribution Diagram - CorePro LED HPL/SON M 2Klm13W830E27 FR

## Lifetime




Life Expectancy Diagram




Lumen Maintenance Diagram - CorePro LED HPL/SON M 2Klm13W830E27 FR

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | EPD-HUB-Philips-Corepro-LED-HID-HPL-COMF-7903997-Ref-929004365602-EPD.pdf | Download |
| Installation Instructions | Online-HPL-QIG-TrueForce-Core-LED-Urban-Lamp-INI.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | LED-CorePro-LED-HPL-SON-M-2Klm13W830E27-FR-IES.ies | Download |

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