# CoreLine Waterproof

## WT120C G2 LED31S/840 PSU PCO L1500

- 840 neutral white - Power supply unit (ON/OFF)

CoreLine waterproof delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. With its slim and stylish design, it retains the product architecture that the range is well-known and appreciated for. Installation is quick and easy, all thanks to its efficient design. CoreLine waterproof provides better wide-beam light distribution for straightforward and effective lighting. A direct replacement for traditional waterproof luminaires with fluorescent lamps ranging from 18W up to 58W, it delivers significant energy savings. Interact Ready luminaires with integrated wireless communications are also available in the CoreLine waterproof range, ready to be used with Interact connected lighting system.

**Warnings and Safety**
· UV radiation will damage the material over time resulting in loss of waterproof sealing and IP66 rating.
· Do not install the luminaire in locations where it will be exposed to direct sunlight.

## Product data

| General Information | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Feed-through wiring | Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included) |
| Remarks | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example |

| | |
|---|---|
| | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |

| Light Technical | |
|---|---|
| Luminous Flux | 3,100 lumen |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 128 lm/W |
| Color rendering index (CRI) | >80 |
| Flickering value (PstLM) | 1 |

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|---|---|---|---|---|
| Stroboscopic effect value (SVM) | 1.6 | | Mech. impact protection code | IK08 [5 J vandal-protected] |
| Light source color | 840 neutral white | | Sustainability rating | – |
| Optic type | Very wide beam | | Protection class IEC | Safety class I |
| Luminaire light beam spread | 135° | | Glow-wire test | Temperature 850 ℃, duration 30 s |
| Unified glare rating CEN | 26 | | Flammability mark | For mounting on easily flammable surfaces |
| | | | CE mark | Yes |
| **Operating and Electrical** | | | ENEC mark | ENEC mark |
| Input Voltage | 220 to 240 V | | Warranty period | 5 years |
| Line Frequency | 50 or 60 Hz | | Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |
| Input Frequency | 50 or 60 Hz | | | |
| Power Consumption | 24.3 W | | EU RoHS compliant | Yes |
| Inrush current | 5.16 A | | | |
| Inrush time | 0.047 ms | | **Initial Performance (IEC Compliant)** | |
| Power Factor (Fraction) | 0.9 | | Luminous flux tolerance | +/–10% |
| Connection | Push-in connector 3-pole | | Initial chromaticity | (0.38,0.38)SDCM<=3 |
| Cable | – | | Power consumption tolerance | +/–10% |
| Number of products on MCB of 16 A type B | 60 | | | |
| | | | **Over Time Performance (IEC Compliant)** | |
| **Temperature** | | | Control gear failure rate at median useful life 50000 h | 5 % |
| Ambient temperature range | –20 to +40 ℃ | | Lumen maintenance at median useful life* 50000 h | L80 |
| **Controls and Dimming** | | | | |
| Dimmable | No | | **Application Conditions** | |
| Driver/power unit/transformer | Power supply unit (ON/OFF) | | Performance ambient temperature Tq | 25 ℃ |
| Control interface | – | | Maximum dim level | Not applicable |
| Constant light output | No | | Suitable for random switching | Not applicable |
| **Mechanical and Housing** | | | **Product Data** | |
| Housing Material | Polycarbonate | | Full product code | 871016334978799 |
| Reflector material | Steel | | Order product name | WT120C G2 LED31S/840 PSU PCO L1500 |
| Optic material | Polycarbonate | | Order code | 911401837180 |
| Optical cover/lens material | Polycarbonate | | Numerator – Quantity Per Pack | 1 |
| Fixation material | Stainless steel | | Numerator – Packs per outer box | 9 |
| Housing Color | Gray | | Material number (12NC) | 911401837180 |
| Optical cover/lens finish | Opal | | Full product name | WT120C G2 LED31S/840 PSU PCO L1500 |
| Overall length | 1,515 mm | | EAN/UPC – Case | 8710163349848 |
| Overall width | 80 mm | | | |
| Overall height | 76 mm | | | |
| Dimensions (Height x Width x Depth) | 76 x 80 x 1515 mm | | | |

**Approval and Application**

| | |
|---|---|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
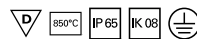
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**Dimensional drawing**

www.lighting.philips.com

2023, May 19 – data subject to change