



CoreLine Waterproof

WT120C G2 LED80S/840 PSU MDU L1500

CoreLine Waterproof, 61 W, L1500 mm, 8000 lm, 4000 K, Wide beam, Frosted, MDU1, IP65, IK08, TW1-ready

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 | |
|--------------------------|---|
| Lamp family code | LED80S [LED Module, system flux 8000 lm] |
| 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 |
| Product family code | WT130C [Coreline Waterproof G2 LSC] |
| Lighting Technology | LED |
| Value ladder | Performance |
| Embedded control | Movement and light sensor (On/Off) |
| CE mark | CE mark |
| Warranty period | 5 years |
| | |

Datasheet, 2023, October 25 data subject to change

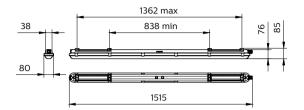
CoreLine Waterproof

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|--|--|
| Flammability mark | For mounting on easily flammable surfaces |
| ENEC mark Glow-wire test | ENEC mark |
| | Temperature 850 °C, duration 30 s |
| EU RoHS compliant | Yes |
| Light Tochnical | |
| Light Technical Luminous Flux | 0.000 lm |
| | 8,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 131 lm/W |
| Color rendering index (CRI) | >80 |
| Flickering value (PstLM) | 16 |
| Stroboscopic effect value (SVM) | 1.6 |
| Light source color | 840 neutral white |
| Optic type | Wide beam |
| Luminaire light beam spread | 105° |
| Unified glare rating CEN | 25 |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 6.9 A |
| Inrush time | 0.058 ms |
| Power Consumption | 61 W |
| | 0.9 |
| Power Factor (Fraction) Connection | |
| Cable | Push-in connector 3-pole |
| Number of products on MCB of 16 A type B | 31 |
| | |
| Temperature | |
| Ambient temperature range | -20 to +35 °C |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |
| | |
| Mechanical and Housing | |
| Housing Material | Polycarbonate |
| D-0tti-l | Steel |
| Reflector material | |
| Optic material | Polycarbonate |
| | Polycarbonate Polycarbonate |
| Optic material | |

| Optical cover finish | Frosted |
|---|--|
| Overall length | 1,515 mm |
| 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] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Sustainability rating | - |
| Protection class IEC | Safety class I |
| Photobiological risk | Photobiological risk group 0 @200mm to |
| | EN62778 |
| | |
| Initial Performance (IEC Compliant |) |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38,0.38)SDCM<=3 |
| Power consumption tolerance | +/-10% |
| | |
| Over Time Performance (IEC Comp | liant) |
| Control gear failure rate at median usefu | l 5% |
| life 50000 h | |
| Lumen maintenance at median useful | 80 |
| life* 50000 h | |
| Lumen maintenance at median useful | 70 |
| life* 100000 h | |
| | |
| Application Conditions | |
| Performance ambient temperature Tq | 25 ℃ |
| Maximum dim level | Not applicable |
| Suitable for random switching | Yes |
| | |
| Product Data | |
| Order product name | WT120C G2 LED80S/840 PSU MDU L1500 |
| Full product name | WT120C G2 LED80S/840 PSU MDU L1500 |
| Full product code | 871869996286900 |
| Order code | 910505100078 |
| Material Nr. (12NC) | 910505100078 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699962869 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699962869 |
| | |

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Dimensional drawing





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