PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED120S/840 PSU L1500

CoreLine Waterproof, 75 W, L1500 mm, 12000 lm, 4000 K, Symmetrical, Clear, IP65, IK08

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 | | Sustaina |
|----------------------|--|-----------|
| Number of gear units | 1 unit | |
| Driver included | Yes | Light Te |
| Service tag | Yes | Luminou |
| Value ladder | Performance | Saturate |
| Serviceability class | Class B, luminaire is equipped with some | Correlate |
| | serviceable parts (when applicable): | Luminou |
| | driver, control units, surge protection | Color rer |
| | device, front cover and mechanical parts | Light sou |
| Warranty period | 5 years | Optic typ |
| | | |

| Sustainability rating | - |
|------------------------------------|-------------------|
| | |
| Light Technical | |
| Luminous Flux | 12,000 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 160 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | Symmetrical |
| | |

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| Luminaire light beam spread | 110° |
|--|--|
| Unified glare rating CEN | 25 |
| | |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 19 A |
| Inrush time | 0.28 ms |
| Power Consumption | 75 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |
| Suitable for random switching | No |
| Protection class IEC | Safety class I |
| Total harmonic distortion | 20 % |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |
| | |
| Mechanical and Housing | |
| Housing Material | Polycarbonate |
| Reflector material | Steel |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Stainless steel |
| Housing Color | Grey |
| Optical cover finish | Clear |
| 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 |
| Ingress protection code | IP65 [Dust penetration-protected, jet- |
| | proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Net Weight (Piece) | 1.730 kg |
| | |
| Emergency Operation | |
| Central Emergency | No |
| | |
| Approval and Application | |
| Glow-wire test | Temperature 850 °C, duration 30 s |
| | |

| Flammability mark | For mounting on easily flammable |
|--|---------------------------------------|
| | surfaces |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Photobiological risk | Photobiological risk group 1@200mm to |
| | EN62778 |
| Photobiological risk specification | 0.2 m |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 ℃ |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Ambient temperature range | -20 to +40 °C |

Initial Performance (IEC Compliant)

| Luminous flux tolerance | +/-10% | |
|---------------------------------------|--------------------|--|
| Initial chromaticity | (0.38,0.38) SDCM≤3 | |
| Power consumption tolerance | +/-10% | |
| Standard Deviation of Colour Matching | SDCM≤3 | |
| (McAdam ellipse) | | |

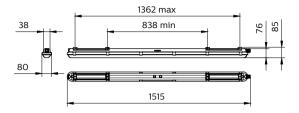
| Over Time Performance (IEC Compliant |) |
|---|---------------------------------|
| Control gear failure rate at median useful life | 5 % |
| 50000 h | |
| Lumen maintenance at median useful life* | - |
| 35000 h | |
| Lumen maintenance at median useful life* | L80 |
| 50000 h | |
| Lumen maintenance at median useful life* | - |
| 75000 h | |
| Lumen maintenance at median useful life* | L65 |
| 100000 h | |
| | |
| Product Data | |
| Order product name | WT120C G2 LED120S/840 PSU L1500 |
| Full product name | WT120C G2 LED120S/840 PSU L1500 |
| Full product code | 872016975431799 |
| Order code | 911401815987 |
| Material Nr. (12NC) | 911401815987 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169754317 |
| Numerator - Packs per outer box | 9 |

8720169754423

EAN/UPC - Case

CoreLine Waterproof

Dimensional drawing





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