



CoreLine Waterproof

WT120C G2 LED60S/840 PSU L1500

CoreLine Waterproof, 42.9 W, L1500 mm, 6000 lm, 4000 K, Wide beam, Matte, 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 | | | |
|--------------------------|--|---|---|
| Light source replaceable | No | maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. | |
| Number of gear units | 1 unit | Service tag | Yes |
| Driver included | Yes | Lighting Technology | LED |
| Feed-through wiring | Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included) | Value ladder | Performance |
| Remarks | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen | CE mark | CE mark |
| | | Warranty period | 5 years |
| | | Flammability mark | For mounting on easily flammable surfaces |
| | | ENEC mark | ENEC mark |
| | | Glow-wire test | Temperature 850 °C, duration 30 s |

CoreLine Waterproof

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|-------------------|-----|
| EU RoHS compliant | Yes |
|-------------------|-----|

Light Technical

| | |
|------------------------------------|-------------------|
| Luminous Flux | 6,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 140 lm/W |
| Color rendering index (CRI) | >80 |
| Flickering value (PstLM) | 1 |
| 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 | 14.2 A |
| Inrush time | 0.222 ms |
| Power Consumption | 42.9 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 36 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +40 °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 |
| Reflector material | Steel |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Stainless steel |
| Housing Color | Gray |
| Optical cover finish | Matte |
| 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 Compliant)

| | |
|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | 80 |
| Lumen maintenance at median useful life* 100000 h | 70 |

Application Conditions

| | |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | Not applicable |
| Suitable for random switching | Not applicable |

Product Data

| | |
|---------------------------------|--------------------------------|
| Order product name | WT120C G2 LED60S/840 PSU L1500 |
| Full product name | WT120C G2 LED60S/840 PSU L1500 |
| Full product code | 871829184049700 |
| Order code | 911401823880 |
| Material Nr. (12NC) | 911401823880 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291840497 |
| Numerator - Packs per outer box | 9 |
| EAN/UPC - Case | 8710163346359 |

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Dimensional drawing

