



CoreLine Waterproof

WT120C G2 LED27S/840 PSD L1200

CoreLine Waterproof, 22 W, L1200 mm, 2700 lm, 4000 K, DALI, Wide beam, Frosted, 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 | LED27S [LED Module, system flux 2700 lm] |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |
| Warranty period | 5 years |

| Sustainability rating | - |
|------------------------------------|-------------------|
| Light Technical | |
| Luminous Flux | 2,700 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 123 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | Wide beam |
| Luminaire light beam spread | 105° |

CoreLine Waterproof

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|--------------------------|----|
| Unified glare rating CEN | 25 |
|--------------------------|----|

Operating and Electrical

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|--|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 19.4 A |
| Inrush time | 0.2 ms |
| Power Consumption | 22 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 30 |
| Suitable for random switching | Not applicable |
| Protection class IEC | Safety class I |
| Feed-through wiring | Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included) |
| Total harmonic distortion | 20 % |

Controls and Dimming

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|-------------------------------|---------------------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |
| DALI Standard | DALI-2™ |
| Maximum dim level | 1% |

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 | Frosted |
| Overall length | 1,215 mm |
| Overall width | 80 mm |
| Overall height | 76 mm |
| Dimensions (Height x Width x Depth) | 76 x 80 x 1215 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Net Weight (Piece) | 1.530 kg |

Approval and Application

| | |
|----------------|-----------------------------------|
| Glow-wire test | Temperature 850 °C, duration 30 s |
|----------------|-----------------------------------|

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|------------------------------------|--|
| Flammability mark | For mounting on easily flammable surfaces |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| 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. |

| | |
|---|---------------|
| Flickering value (PstLM) - Flickering value 1 as per EN 61000-3-3 | |
| Stroboscopic effect visibility measure (SVM) | 1.6 |
| Ambient temperature range | -20 to +35 °C |

Initial Performance (IEC Compliant)

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|-----------------------------|--------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38,0.38)SDCM<=3 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

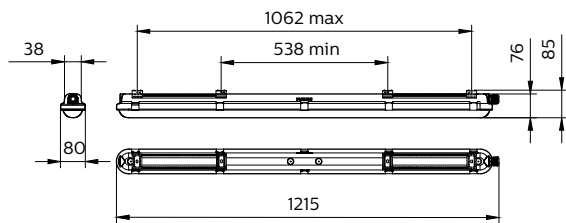
| | |
|--|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L80 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L70 |

Product Data

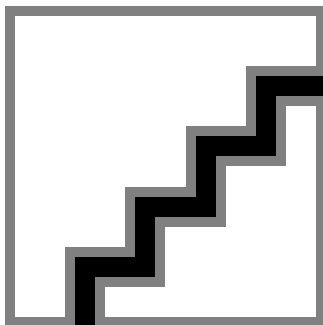
| | |
|---------------------------------|-------------------------------------|
| Order product name | WT120C G2 LED27S/840 PSD L1200 |
| Full product name | WT120C G2 LED27S/840 PSD L1200 |
| Full product code | 871869688307500 |
| Order code | 910505100044 |
| Material Nr. (12NC) | 910505100044 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696883075 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696883075 |
| Product family code | WT130C [Coreline Waterproof G2 LSC] |

CoreLine Waterproof

Dimensional drawing



Photometric data



Polar Normal (separate) - WT120CI - 910505100044

