



CoreLine Waterproof

WT120C G2 LED40S/840 PSU TW3 L1200

CoreLine Waterproof, 30 W, L1200 mm, 4000 lm, 4000 K, Wide beam, Frosted, IP65, IK08, TW3

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 | LED40S [LED module, system flux 4000 lm] | B10. Therefore, the median useful life (B50) value also represents the B10 value. | |
| Light source replaceable | No | Service tag | Yes |
| Number of gear units | 1 unit | Product family code | WT130C [Coreline Waterproof G2 LSC] |
| Driver included | Yes | Lighting Technology | LED |
| Feed-through wiring | Feed-through wiring 3-phase | 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 maintenance between B50 and for example | | |
| | | | |
| Light Technical | | | |
| Luminous Flux | | 4,000 lm | |
| Luminous Efficacy (rated) (Nom) | | 133 lm/W | |
| Correlated Color Temperature (Nom) | | 4000 K | |

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| | |
|---|-------------------|
| Color rendering index (CRI) | >80 |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1 |
| Stroboscopic effect visibility measure (SVM) | 1.6 |
| Light source color | 840 neutral white |
| Optic type | Wide beam |
| Luminaire light beam spread | 105° |
| Unified glare rating CEN | 25 |
| Total harmonic distortion | 20 % |

Operating and Electrical

| | |
|--|--------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 5.16 A |
| Inrush time | 0.047 ms |
| Power Consumption | 30 W |
| Power Factor (Fraction) | 0.86 |
| Connection | Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 36 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +35 °C |
|---------------------------|---------------|

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 | 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 |

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 |
| Glow-wire test | Temperature 850 °C, duration 30 s |
| Flammability mark | For mounting on easily flammable surfaces |
| CE mark | CE mark |
| ENEC mark | ENEC mark |
| Warranty period | 5 years |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |
| EU RoHS compliant | Yes |

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 | 85 |
| 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 LED40S/840 PSU TW3 L1200 |
| Full product name | WT120C G2 LED40S/840 PSU TW3 L1200 |
| Full product code | 871869691687200 |
| Order code | 910505100047 |
| Material Nr. (12NC) | 910505100047 |
| Numerator - Quantity Per Pack | 1 |
| Net Weight (Piece) | 1.500 kg |
| EAN/UPC - Product/Case | 8718696916872 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696916872 |

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Dimensional drawing

