



# CoreLine Waterproof

## WT120C G2 LED27S/840 PSU ELB3 L1200

CoreLine Waterproof, 26 W, L1200 mm, 2700 lm, 4000 K, Wide beam, Frosted, IP65, IK08, TW1-ready, ELB3h

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Waterproof range of LED products can be used to replace traditional waterproof luminaires with fluorescent lamps. The process of selecting, installing and maintaining is so easy – it's a simple switch. Also available as an Interact Ready wireless CoreLine waterproof luminaire that works with Interact Pro lighting software and Interact Ready devices to provide a connected lighting system for SMEs

### 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     | 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                  | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen |                                    |   |
|                          |  |                                    | maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. |
|                          |  | Product family code                | WT130C [Coreline Waterproof G2 LSC]   |
|                          |  | Lighting Technology                | LED   |
|                          |  | Type of emergency lighting battery | Lithium   |
|                          |  | Value ladder                       | Performance   |
|                          |  | CE mark                            | CE mark   |
|                          |  | Warranty period                    | 5 years   |
|                          |  | Flammability mark                  | For mounting on easily flammable surfaces   |
|                          |  | ENEC mark                          | ENEC mark   |

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|                   |                                   |
|-------------------|-----------------------------------|
| Glow-wire test    | Temperature 850 °C, duration 30 s |
| EU RoHS compliant | Yes                               |

## Light Technical

|                                  |                   |
|----------------------------------|-------------------|
| Luminous Flux                    | 2,700 lm          |
| Correlated Colour Temperature    | 4000 K            |
| Luminous efficacy (rated) (nom.) | 104 lm/W          |
| Colour rendering index (CRI)     | >80               |
| Flickering value (PstLM)         | 1                 |
| Stroboscopic effect              | 1.6               |
| Light source colour              | 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                           | 3.58 A                   |
| Inrush time                              | 0.04 ms                  |
| Power Consumption                        | 26 W                     |
| Power Factor (Fraction)                  | 0.77                     |
| Connection                               | Push-in connector 4-pole |
| Cable                                    | -                        |
| Number of products on MCB of 16 A type B | 80                       |

## Temperature

|                           |             |
|---------------------------|-------------|
| Ambient temperature range | 0 to +25 °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/lens material | Polycarbonate   |
| Fixation material           | Stainless steel |
| Housing Colour              | Grey            |
| Optical cover/lens 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 |

## Emergency Operation

|                 |        |
|-----------------|--------|
| Emergency flux  | 500 lm |
| Emergency Power | 3 W    |

## 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 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h        | 85  |
| Lumen maintenance at median useful life* 100,000 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 LED27S/840 PSU ELB3 L1200 |
| Full product name                 | WT120C G2 LED27S/840 PSU ELB3 L1200 |
| Full EOC                          | 871829185418000                     |
| Order code                        | 85418000                            |
| Material no. (12 NC)              | 910505100042                        |
| SAP numerator – quantity per pack | 1                                   |
| EAN/UPC – Product/Case            | 8718291854180                       |
| Numerator – packs per outer box   | 1                                   |
| EAN/UPC – Case                    | 8718291854180                       |

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## Dimensional drawing

