# CoreLine Waterproof

## WT120C G2 LED80S/840 PSU L1500

840 neutral white - Power supply unit

CoreLine waterproof delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. CoreLine waterproof products can directly replace traditional waterproof luminaires with fluorescent lamps ranging from 18W up to 58W. With its slim and stylish design, it continues to keep its well-known and appreciated architecture. Installation is quick and easy, all thanks to its efficient design. CoreLine waterproof provides better wide-beam light distribution for straightforward and effective lighting. Interact Ready luminaires with integrated wireless communications are also available in this range, ready to be used with Interact gateways, sensors and software.

## Product data

### General Information

| | |
|---|---|
| Beam angle of light source | – ° |
| Light source color | 840 neutral white |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver/power unit/transformer | Power supply unit |
| Driver included | Yes |
| Optic type | Beam angle 110° |
| Optical cover/lens type | Micro-lens optic |
| Luminaire light beam spread | 105° |
| Control interface | – |
| Connection | Push-in connector 3-pole |
| Cable | – |
| 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 |
| 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. |
| Constant light output | No |
| Number of products on MCB of 16 A type B | 18 |
| EU RoHS compliant | Yes |
| Service tag | Yes |

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

### Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Input Frequency | 50 or 60 Hz |
| Inrush current | 6.9 A |
| Inrush time | 0.058 ms |
| Power Factor (Min) | 0.9 |

### Controls and Dimming

| | |
|---|---|
| Dimmable | No |

### Mechanical and Housing

| | |
|---|---|
| Housing Material | Polycarbonate |
| Reflector material | Steel |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Gear tray material | Steel |
| Fixation material | Stainless steel |
| Optical cover/lens finish | Frosted |
| Overall length | 1515 mm |
| Overall width | 80 mm |
| Overall height | 76 mm |
| Color | Gray |
| Dimensions (Height x Width x Depth) | 76 x 80 x 1515 mm (3 x 3.1 x 59.6 in) |

### Approval and Application

| | |
|---|---|
| Ingress protection code | IP65 [ Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [ 5 J vandal-protected] |

### Initial Performance (IEC Compliant)

| | |
|---|---|
| Initial luminous flux (system flux) | 8000 lm |

| | |
|---|---|
| Luminous flux tolerance | +/-10% |
| Initial LED luminaire efficacy | 140 lm/W |
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | >80 |
| Initial chromaticity | (0.38,0.38)SDCM<=3 |
| Initial input power | 57.1 W |
| Power consumption tolerance | +/-10% |

### Over Time Performance (IEC Compliant)

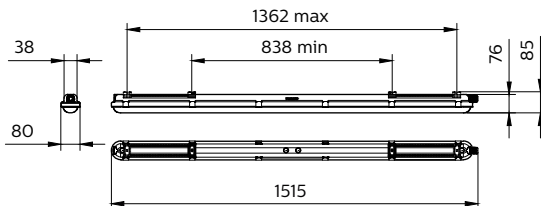| | |
|---|---|
| Control gear failure rate at median useful life 50000 h | 1.75 % |
| Lumen maintenance at median useful life* 50000 h | L75 |

### Application Conditions

| | |
|---|---|
| Ambient temperature range | –20 to +40 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | Not applicable |
| Suitable for random switching | Not applicable |

### Product Data

| | |
|---|---|
| Full product code | 871869940928900 |
| Order product name | WT120C G2 LED80S/840 PSU L1500 |
| EAN/UPC – Product | 8718699409289 |
| Order code | 911401823980 |
| Numerator – Quantity Per Pack | 1 |
| Numerator – Packs per outer box | 9 |
| Material Nr. (12NC) | 911401823980 |
| Net Weight (Piece) | 1.700 kg |

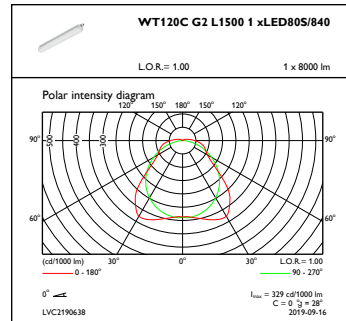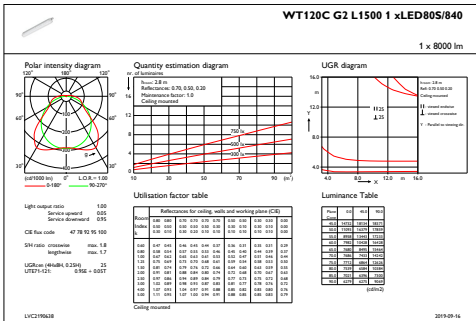## Dimensional drawing



**CoreLine Waterproof WT120C**

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## Photometric data



IFGU1_WT120CG2L15001xLED80S840



OFPC1_WT120CG2L15001xLED80S840

www.lighting.philips.com

2020, January 16 – data subject to change