# CoreLine Waterproof

## WT120C G2 LED40S/840 PSD L1200

CoreLine Waterproof, 30.5 W, L1200 mm, 4000 lm, 4000 K, DALI, Wide beam, Frosted, IP65, IK08, TW1-ready

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.

### 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] |
| Light source replaceable | No |
| Number of gear units | 1 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 | *–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. |

| | |
|---|---|
| Service tag | Yes |
| Product family code | WT130C [Coreline Waterproof G2 LSC] |
| Lighting Technology | LED |
| Value ladder | Performance |
| 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 |
| EU RoHS compliant | Yes |

#### Light Technical

| | |
|---|---|
| Luminous Flux | 4,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |

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| | | | | |
|---|---|---|---|---|
| Luminous Efficacy (rated) (Nom) | 131 lm/W | | Overall height | 76 mm |
| Color rendering index (CRI) | >80 | | Dimensions (Height x Width x Depth) | 76 x 80 x 1215 mm |
| Flickering value (PstLM) – Flickering value as per EN 61000-3-3 | 1 | | | |
| Stroboscopic effect visibility measure (SVM) | 1.6 | | **Approval and Application** | |
| | | | Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Light source color | 840 neutral white | | Mech. impact protection code | IK08 [5 J vandal-protected] |
| Optic type | Wide beam | | Sustainability rating | – |
| Luminaire light beam spread | 105° | | Protection class IEC | Safety class I |
| Unified glare rating CEN | 25 | | Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 19.4 A |
| Inrush time | 0.2 ms |
| Power Consumption | 30.5 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 5-pole |
| Cable | – |
| Number of products on MCB of 16 A type B | 30 |

## Temperature

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

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| 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 |

## 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 | 1% |
| Suitable for random switching | Not applicable |

## Product Data

| | |
|---|---|
| Order product name | WT120C G2 LED40S/840 PSD L1200 |
| Full product name | WT120C G2 LED40S/840 PSD L1200 |
| Full product code | 871869688309900 |
| Order code | 88309900 |
| Material Nr. (12NC) | 910505100053 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8718696883099 |
| Numerator – Packs per outer box | 1 |
| EAN/UPC – Case | 8718696883099 |

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**Dimensional drawing**

www.lighting.philips.com

2023, August 3 – data subject to change