# CoreLine Waterproof

## WT120C LED22S/840 PSU L1200 EL3

Coreline Waterproof, 840 neutral white, Power supply unit (On/Off), Emergency lighting: three-hour duration

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** | – |
| **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** | WT120C [Coreline Waterproof] |
| **Lighting Technology** | LED |
| **Value ladder** | Performance |
| **CE mark** | Yes |
| **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 |

# CoreLine Waterproof

| | |
|---|---|
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Luminous Flux** | 2,900 lm |
| **Correlated Colour Temperature** | 4000 K |
| **Luminous efficacy (rated) (nom.)** | 98 lm/W |
| **Colour rendering index (CRI)** | ≥80 |
| **Light source colour** | 840 neutral white |
| **Optic type** | – |
| **Optical cover type** | Polycarbonate bowl/cover |
| **Luminaire light beam spread** | 110° |
| **Unified Glare Rating (CEN)** | 23 |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 14 A |
| **Inrush time** | 0.250 ms |
| **Power Consumption** | 22.5 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Push-in connector 4-pole |
| **Cable** | – |
| **Number of products on MCB of 16 A type B** | 33 |

## 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** | – |
| **Optical cover/lens material** | Polycarbonate |
| **Fixation material** | Stainless steel |
| **Housing Colour** | Grey |

| | |
|---|---|
| **Optical cover/lens finish** | Textured |
| **Overall length** | 1,223 mm |
| **Overall width** | 87 mm |
| **Overall height** | 96 mm |
| **Dimensions (height x width x depth)** | 96 x 87 x 1223 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP65 [Dust penetration-protected, jet-proof] |
| **Mech. impact protection code** | IK08 [5 J vandal-protected] |
| **Protection class IEC** | Safety class I |

## 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** | L75 |

## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | Not applicable |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | WT120C LED22S/840 PSU L1200 EL3 |
| **Full product name** | WT120C LED22S/840 PSU L1200 EL3 |
| **Full EOC** | 871829185418000 |
| **Order code** | 85418000 |
| **Material no. (12 NC)** | 910500454303 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8718291854180 |
| **Numerator – packs per outer box** | 1 |
| **EAN/UPC – Case** | 8718291854180 |

# CoreLine Waterproof

**Dimensional drawing**



960

96

1223

82

87

www.lighting.philips.com

2023, December 5 – data subject to change