PHILIPS

Lighting




# CoreLine waterproof gen3

## WT120C G3 27_33_39_46S/840 PSU L1200

CoreLine waterproof gen3, All-in, 28.5 W, 16.6 W, L1200 mm, 2700 lm, 3300 lm, 3900 lm, 4600 lm, 4000 K, Symmetrical, Clear, IP66, IK08, EL-ready

L1200 mm, Polycarbonate, Grey, Power supply unit (On/Off), All-in, Multi Lumen, 2700 lm, 3300 lm, 3900 lm, 4600 lm, 28.5 W, 16.6 W, 163 lm/W, 161 lm/W, 4000 K, (0.38, 0.37) SDCM<3, Symmetrical, Clear, Polycarbonate, IP66 | Dust penetration-protected, jet-proof, IK08 | 6 J, Safety class I, Push-in connector 5-pole, Emergency lighting ready (through compatible battery kit accessory)

### 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 | |
|---|---|
| **Number of gear units** | Unit |
| **Driver included** | Yes |
| **Service Tag** | Yes |
| **Value ladder** | Performance |
| **Warranty period** | 5 years |

| Light Technical | |
|---|---|
| **Luminous Flux** | 2,700 3,300 3,900 4,600 lm |
| **Correlated Colour Temperature (Nom)** | 4000 K |
| **Luminous efficacy (rated) (nom.)** | 163 161 lm/W |
| **Colour rendering index (CRI)** | >80 |
| **Light source colour** | 840 neutral white |
| **Optic type** | Symmetrical |
| **Luminaire light beam spread** | 110° |
| **Unified Glare Rating (CEN)** | 28 |
| **All-in Type** | All-in, Multi Lumen |

| Operating and Electrical | |
|---|---|
| **Input Voltage** | 220-240 V |

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| | |
|---|---|
| **Line Frequency** | 0/50/60 Hz |
| **Inrush current** | 24.5 A |
| **Inrush time** | 0.136 ms |
| **Power Consumption** | 28.5 16.6 W |
| **Power Factor (Fraction)** | 0.95 |
| **Connection** | Push-in connector 5-pole |
| **Cable** | - |
| **Number of products on MCB (16 A type B)** | 35 |
| **Suitable for random switching** | Yes |
| **Protection class IEC** | Safety class I |
| **Feed-through wiring** | - |

## 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** | Clear |
| **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 |
| **Ingress protection code** | IP66 [Dust penetration-protected, jet-proof] |
| **Mech. impact protection code** | IK08 [6 J] |
| **Net Weight (Piece)** | 1.280 kg |

## Emergency Operation

| | |
|---|---|
| **Central Emergency** | No |
| **Emergency lighting** | Emergency lighting ready (through compatible battery kit accessory) |

## Approval and Application

| | |
|---|---|
| **Glow-wire test** | Temperature 850 °C, duration 30 s |
| **Flammability mark** | For mounting on easily flammable surfaces |
| **CE mark** | Yes |
| **ENEC mark** | ENEC mark |
| **EU RoHS compliant** | Yes |
| **Performance ambient temperature Tq** | 25 °C |
| **Stroboscopic effect** | 0.4 |
| **Ambient temperature range** | -20°C to 40°C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +15%/-5% |
| **Initial chromaticity** | (0.38, 0.37) SDCM<3 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50,000 h** | 5 % |
| **Control gear failure rate at median useful life 100,000 h** | 10 % |
| **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h** | L90 |
| **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h** | L80 |

## Sustainability Data

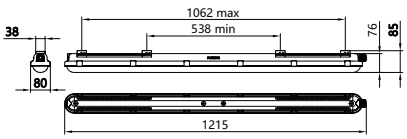
| | |
|---|---|
| **Sustainability rating** | Unclassified |
| **Repair class** | Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time. |

## Product Data

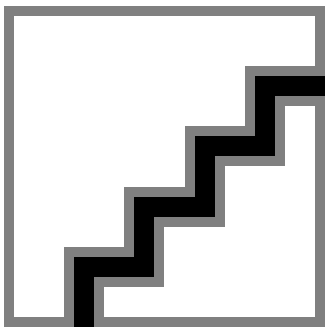
| | |
|---|---|
| **Order product name** | WT120C G3 27_33_39_46S/840 PSU L1200 |
| **Full product name** | WT120C G3 27_33_39_46S/840 PSU L1200 |
| **Full EOC** | 872110333344599 |
| **Order code** | 911401839388 |
| **Material no. (12 NC)** | 911401839388 |
| **Numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8721103333445 |
| **Numerator – packs per outer box** | 9 |
| **EAN/UPC - Case** | 8721103334374 |

# CoreLine waterproof gen3

## Dimensional drawing




## Photometric data



**Polar Normal (separate) - 911401839388**

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