PHILIPS

# WT120C G2 LED57S/840 PSU PCO L1500

911401837380



Service tag

## CoreLine Waterproof, 42.9 W, L1500 mm, 5700 lm, 4000 K, Very wide beam, Opal, IP65, IK08, TW1-ready

L1500 mm, Polycarbonate, Gray, Power supply unit (On/Off), 5700 lm, 42.9 W, 133 lm/W, 4000 K, (0.38,0.38)SDCM<=3, Very wide beam, Opal, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Push-in connector 3-pole, Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)

### 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.

### General Information

| | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Sustainability rating | Unclassified |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |
| Warranty period | 5 years |

### Light Technical

| | |
|---|---|
| Luminous Flux | 5,700 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 133 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | Very wide beam |

| | |
|---|---|
| Luminaire light beam spread | 135° |
| Unified glare rating CEN | 26 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 14.2 A |
| Inrush time | 0.222 ms |
| Power Consumption | 42.9 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 36 |
| Suitable for random switching | Yes |
| Protection class IEC | Safety class I |
| Feed-through wiring | Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included) |
| Total harmonic distortion | 20 % |

## Controls and Dimming

| | |
|---|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |
| Maximum dim level | Not applicable |

## 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 | Opal |
| Overall length | 1,515 mm |
| Overall width | 80 mm |
| Overall height | 76 mm |
| Dimensions (Height x Width x Depth) | 76 x 80 x 1515 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Net Weight (Piece) | 1.700 kg |

## 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 |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| 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. |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1 |
| Stroboscopic effect visibility measure (SVM) | 1.6 |
| Ambient temperature range | -20 to +40 °C |

## 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 (EN-IEC 62722-2-1) at median useful life* 50000 h | L80 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L70 |

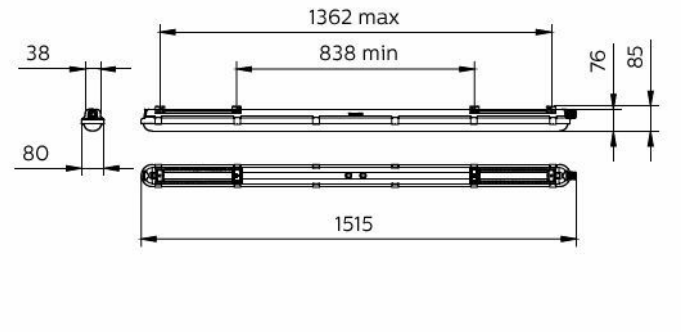
## Sustainability Data

| | |
|---|---|
| Repair class | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3) | 11.3 kg $CO_2e$ |
| Product non-virgin material ratio | 12.1 % |
| Recyclable content ratio of the finished product | 55.7 % |
| GWP total B6 (kg CO2eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh) |
| GWP total B6 (kg CO2eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% |
| Packaging Material | Cardboard |

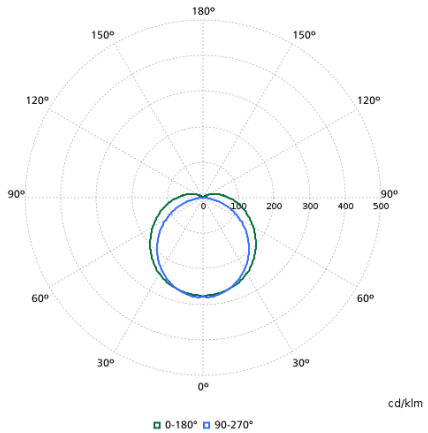
## Product Data

| | |
|---|---|
| Order product name | WT120C G2 LED57S/840 PSU PCO L1500 |
| Full product name | WT120C G2 LED57S/840 PSU PCO L1500 |
| Full product code | 871016334980099 |
| Order code | 911401837380 |
| Material Nr. (12NC) | 911401837380 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8710163349800 |
| Numerator - Packs per outer box | 9 |
| EAN/UPC - Case | 8710163349862 |

## Dimensional drawing



## Polar normal diagrams




## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Installation Instructions | CoreLine waterproof WT120C G2 PSU_2023 05.pdf | Download |
| Environmental Product Declaration | EPD-Philips-CoreLine-Waterproof-911401837380.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | wt120c-g2-led57s-840-psu-pco-l1500-911401837380.ies | Download |
| LDT File | wt120c-g2-led57s-840-psu-pco-l1500-911401837380.ldt | Download |
| ROLF File | wt120c-g2-led57s-840-psu-pco-l1500-911401837380.rolfz | Download |
| ULD File | wt120c-g2-led57s-840-psu-pco-l1500-911401837380.uld | Download |
| Revit file | wt120c-g2-led57s-840-psu-pco-l1500-911401837380.zip | Download |

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