



CoreLine Waterproof

WT120C G2 LED65S/840 WIA L1500

CoreLine Waterproof, 45 W, L1500 mm, 6500 lm, 4000 K, Wireless, Interact Ready, 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 | | Sustainability rating | Unclassified |
|--------------------------|--|------------------------------------|-------------------|
| Light source replaceable | No | | |
| Number of gear units | 1 unit | | |
| Driver included | Yes | | |
| Service tag | Yes | | |
| Lighting Technology | LED | Light Technical | |
| Value ladder | Performance | Luminous Flux | 6,500 lm |
| Serviceability class | Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts | Correlated Color Temperature (Nom) | 4000 K |
| Warranty period | 5 years | Luminous Efficacy (rated) (Nom) | 144 lm/W |
| | | Color rendering index (CRI) | >80 |
| | | Light source color | 840 neutral white |
| | | Optic type | Wide beam |
| | | Luminaire light beam spread | 105° |
| | | Unified glare rating CEN | 25 |

CoreLine Waterproof

| Sustainability Data | |
|--|---|
| Embedded carbon (A1-A3) | 11.5 kg CO ₂ e |
| Recyclable content ratio of the finished product | 55.7 % |
| Product non-virgin material ratio | 11.9 % |
| GWP total B6 (kg CO ₂ eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh) |
| GWP total B6 (kg CO ₂ eq) 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 CO ₂ eq / kWh) |

| Operating and Electrical | |
|--|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 19 A |
| Inrush time | 0.23 ms |
| Power Consumption | 45 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 22 |
| Suitable for random switching | Not applicable |
| 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 | Yes |
| Driver/power unit/transformer | Wireless driver Interact System ready |
| Control interface | Wireless |
| Constant light output | No |
| Maximum dim level | 10% |
| Connectivity | Interact Ready |

| 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 | 1,515 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) | 1.820 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 |
| Flickering value (PstLM) - Flickering value 1 as per EN 61000-3-3 | |
| Stroboscopic effect visibility measure (SVM) | 1.6 |
| Ambient temperature range | -20 to +35 °C |

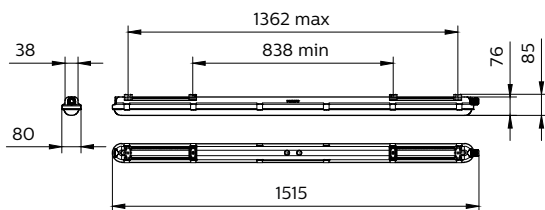
| Initial Performance (IEC Compliant) | |
|-------------------------------------|--------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38,0.38)SDCM<=3 |
| Power consumption tolerance | +/-10% |

| 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 |

| Product Data | |
|---------------------------------|-------------------------------------|
| Order product name | WT120C G2 LED65S/840 WIA L1500 |
| Full product name | WT120C G2 LED65S/840 WIA L1500 |
| Full product code | 871869997578400 |
| Order code | 97578400 |
| Material Nr. (12NC) | 910505101271 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699975784 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699975784 |
| Product family code | WT130C [Coreline Waterproof G2 LSC] |

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Dimensional drawing



Photometric data



Polar Normal (separate) - WT120CI - 910505101271

