# **PHILIPS** Lighting



# **CoreLine Waterproof**

# WT120C G2 LED34S/840 PSU ELB3 L1500

CoreLine Waterproof, 30 W, L1500 mm, 3400 lm, 4000 K, Wide beam, Frosted, IP65, IK08, TW1-ready, ELB3h

CoreLine waterproof delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. With its slim and stylish design, it retains the product architecture that the range is well-known and appreciated for. Installation is quick and easy, all thanks to its efficient design. CoreLine waterproof provides better wide-beam light distribution for straightforward and effective lighting. A direct replacement for traditional waterproof luminaires with fluorescent lamps ranging from 18W up to 58W, it delivers significant energy savings. Interact Ready luminaires with integrated wireless communications are also available in the CoreLine waterproof range, ready to be used with Interact connected lighting system.

#### 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         | LED34S [LED module, system flux 3400 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  |
| Type of emergency lighting battery | Lithium                                      |
| Value ladder                       | Performance                                  |
| CE mark                            | CE mark                                      |
| Warranty period                    | 5 years                                      |
|                                    |  |

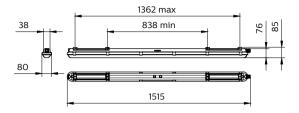
### **CoreLine Waterproof**

| Flammability mark                      | For mounting on easily flammable surfaces | Overall width          |
|--|---|------------------------|
| ENEC mark                              | ENEC mark                                 | Overall height         |
| Glow-wire test                         | Temperature 850 °C, duration 30 s         | Dimensions (Height x   |
| EU RoHS compliant                      | Yes                                       |                        |
|  |   | Emergency Opera        |
| Light Technical                        |   | Emergency flux         |
| Luminous Flux                          | 3,400 lm                                  | Emergency Power        |
| Correlated Color Temperature (Nom)     | 4000 K                                    |                        |
| Luminous Efficacy (rated) (Nom)        | 113 lm/W                                  | Approval and App       |
| Color rendering index (CRI)            | >80                                       | Ingress protection co  |
| Flickering value (PstLM)               | 1   | Mech. impact protect   |
| Stroboscopic effect value (SVM)        | 1.6                                       | Sustainability rating  |
| Light source color                     | 840 neutral white                         | Protection class IEC   |
| Optic type                             | Wide beam                                 | Photobiological risk   |
| Luminaire light beam spread            | 105°                                      |                        |
| Unified glare rating CEN               | 25  |                        |
|  |   | Initial Performanc     |
| Operating and Electrical               |   | Luminous flux tolerar  |
| Input Voltage                          | 220 to 240 V                              | Initial chromaticity   |
| Line Frequency                         | 50 or 60 Hz                               | Power consumption      |
| Inrush current                         | 5.16 A                                    |                        |
| Inrush time                            | 0.047 ms                                  | Over Time Perform      |
| Power Consumption                      | 30 W                                      | Control gear failure r |
| Power Factor (Fraction)                | 0.86                                      | life 50000 h           |
| Connection                             | Push-in connector 4-pole                  | Lumen maintenance      |
| Cable                                  | -   | life* 50000 h          |
| Number of products on MCB of 16 A type | 36  | Lumen maintenance      |
| В                                      |   | life* 100000 h         |
|  |   |                        |
| Temperature                            |   | Application Condi      |
| Ambient temperature range              | 0 to +25 °C                               | Performance ambien     |
|  |   | Maximum dim level      |
| Controls and Dimming                   |   | Suitable for random    |
| Dimmable                               | No  |                        |
| Driver/power unit/transformer          | Power supply unit (On/Off)                | Product Data           |
| Constant light output                  | No  | Order product name     |
|  |   | Full product name      |
| Mechanical and Housing                 |   | Full product code      |
| Housing Material                       | Polycarbonate                             | Order code             |
| Reflector material                     | Steel                                     | Material Nr. (12NC)    |
| Optic material                         | Polycarbonate                             | Numerator - Quantity   |
| Optical cover material                 | Polycarbonate                             | EAN/UPC - Product/     |
| Fixation material                      | Stainless steel                           | Numerator - Packs p    |
| Housing Color                          | Gray                                      | EAN/UPC - Case         |
|  |   |                        |
| Optical cover finish                   | Frosted                                   |                        |

| Overall width  | 80 mm   |
|--|---|
| Overall height   | 76 mm   |
| Dimensions (Height x Width x Depth)  | 76 x 80 x 1515 mm   |
|  |   |
| Emergency Operation  |   |
| Emergency flux   | 500 lm  |
| Emergency Power  | 3 W   |
|  |   |
| Approval and Application   |   |
| Ingress protection code  | IP65 [Dust penetration-protected, jet-proof]  |
| Mech. impact protection code   | IK08 [5 J vandal-protected]   |
| Sustainability rating  | _   |
| Protection class IEC   | Safety class I  |
| Photobiological risk   | Photobiological risk group 0 @200mm to  |
| <b>0</b>   | EN62778   |
|  |   |
| Initial Performance (IEC Compliant   | )   |
| Luminous flux tolerance  | +/-10%  |
| Initial chromaticity   | (0.38,0.38)SDCM<=3  |
| Power consumption tolerance  | +/-10%  |
|  | ., 10,0   |
| Over Time Performance (IEC Comp  | liant)  |
|  |   |
| Control gear failure rate at median usefu  | 1.5%  |
| Control gear failure rate at median useful   | l 5%  |
| life 50000 h   |   |
| life 50000 h<br>Lumen maintenance at median useful   | ıl 5%<br>85   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h  | 85  |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful  |   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h  | 85  |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h  | 85  |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions  | 85<br>70  |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq  | 85<br>70<br>25 °C   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level   | 85<br>70<br>25 °C<br>Not applicable   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq  | 85<br>70<br>25 °C   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level   | 85<br>70<br>25 °C<br>Not applicable   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching  | 85<br>70<br>25 °C<br>Not applicable   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data  | 85<br>70<br>25 °C<br>Not applicable<br>Not applicable   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data<br>Order product name  | 85<br>70<br>25 °C<br>Not applicable<br>Not applicable<br>WT120C G2 LED34S/840 PSU ELB3 L1500  |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data<br>Order product name<br>Full product name   | 85<br>70<br>25 °C<br>Not applicable<br>Not applicable<br>WT120C G2 LED345/840 PSU ELB3 L1500<br>WT120C G2 LED345/840 PSU ELB3 L1500   |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data<br>Order product name<br>Full product name<br>Full product code<br>Order code  | 85<br>70<br>70<br>25 °C<br>Not applicable<br>Not applicable<br>WT120C G2 LED34S/840 PSU ELB3 L1500<br>WT120C G2 LED34S/840 PSU ELB3 L1500<br>871829185420300  |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data<br>Order product name<br>Full product name<br>Full product code<br>Order code<br>Material Nr. (12NC)   | 85<br>70<br>70<br>25 °C<br>Not applicable<br>Not applicable<br>WT120C G2 LED34S/840 PSU ELB3 L1500<br>WT120C G2 LED34S/840 PSU ELB3 L1500<br>871829185420300<br>910505100062<br>910505100062                            |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data<br>Order product name<br>Full product name<br>Full product code<br>Order code<br>Material Nr. (12NC)<br>Numerator - Quantity Per Pack  | 85<br>70<br>70<br>25 °C<br>Not applicable<br>Not applicable<br>WT120C G2 LED345/840 PSU ELB3 L1500<br>WT120C G2 LED345/840 PSU ELB3 L1500<br>871829185420300<br>910505100062<br>910505100062<br>910505100062<br>1       |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data<br>Order product name<br>Full product name<br>Full product name<br>Full product code<br>Order code<br>Material Nr. (12NC)<br>Numerator - Quantity Per Pack<br>EAN/UPC - Product/Case | 85<br>70<br>70<br>25 °C<br>Not applicable<br>Not applicable<br>WT120C G2 LED34S/840 PSU ELB3 L1500<br>WT120C G2 LED34S/840 PSU ELB3 L1500<br>871829185420300<br>910505100062<br>910505100062<br>1<br>1<br>8718291854203 |
| life 50000 h<br>Lumen maintenance at median useful<br>life* 50000 h<br>Lumen maintenance at median useful<br>life* 100000 h<br>Application Conditions<br>Performance ambient temperature Tq<br>Maximum dim level<br>Suitable for random switching<br>Product Data<br>Order product name<br>Full product name<br>Full product code<br>Order code<br>Material Nr. (12NC)<br>Numerator - Quantity Per Pack  | 85<br>70<br>70<br>25 °C<br>Not applicable<br>Not applicable<br>WT120C G2 LED345/840 PSU ELB3 L1500<br>WT120C G2 LED345/840 PSU ELB3 L1500<br>871829185420300<br>910505100062<br>910505100062<br>910505100062<br>1       |

## **CoreLine Waterproof**

#### Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, October 5 - data subject to change