



FWC LED

BWC120 LED18-/830 PSU II WH PH

BWC120 | SECURITY LED 120, LED18 | LED module 1800 lm, Power supply unit (On/Off), Photocell included

Feel safe with this energy-efficient wall mounted security luminaire. The LED arrangement and housing cover produce excellent light distribution for lower lighting levels for walls, corridors and the surrounding area.

Product data

| General Information | |
|--|--|
| Lamp family code | LED18 [LED module 1800 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Value |
| Serviceability class | Class C, luminaire without serviceable |
| | manta mat assissashia |
| | parts, not serviceable |
| Warranty period | 5 years |
| Warranty period Sustainability rating | · <u>'</u> |
| | 5 years |
| | 5 years |
| Sustainability rating | 5 years |
| Sustainability rating Light Technical | 5 years |
| Sustainability rating Light Technical Upward light output ratio | 5 years |
| Sustainability rating Light Technical Upward light output ratio Luminous Flux | 5 years - 0.08 1,800 lm |
| Sustainability rating Light Technical Upward light output ratio Luminous Flux Correlated Color Temperature (Nom) | 5 years - 0.08 1,800 lm 3000 K |

| Number of light sources | 1 |
|--|---------------------------------|
| Beam angle of light source | 120 degree(s) |
| Light source color | 830 warm white |
| Optic type | - |
| Luminaire light beam spread | 180° |
| Optic type outdoor | Symmetrical |
| Effective projected area | 0.06 m ² |
| | |
| Operating and Electrical | |
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 5 A |
| Inrush time | 0.05 ms |
| Power Consumption | 14 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Screw connection block 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 27 |
| Protection class IEC | Safety class II |
| Surge Protection (Common/Differential) | Standard surge protection level |

Datasheet, 2025, April 29 data subject to change

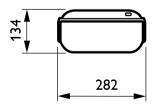
FWC LED

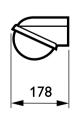
| Total harmonic distortion | 20 % |
|-------------------------------------|------------------------------------|
| C t I In the | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |
| Photocell | Photocell included |
| | |
| Mechanical and Housing | |
| Housing Material | Acrylonitile styrene acrylate |
| Reflector material | - |
| Optic material | - |
| Optical cover material | UV stabilized Polycarbonate cover |
| Fixation material | Polyamide |
| Housing Color | White |
| Mounting device | Wall-mounting bracket |
| Optical cover shape | Curved |
| Optical cover finish | Opal |
| Overall length | 282 mm |
| Overall width | 282 mm |
| Overall height | 178 mm |
| Dimensions (Height x Width x Depth) | 178 x 282 x 282 mm |
| Ingress protection code | IP54 [Dust accumulation-protected, |
| | splash-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Standard tilt angle posttop | O° |
| Standard tilt angle side entry | 0° |
| Optical cover type | Opal bowl/cover |
| Net Weight (Piece) | 0.850 kg |
| | |
| Approval and Application | |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| Flammability mark | For mounting on normally flammable |
| | surfaces |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| | |

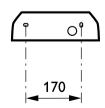
| EU RoHS compliant | Yes |
|---|--|
| Performance ambient temperature Tq | 25 ℃ |
| Remarks | * At extreme ambient temperatures the |
| | luminaire might automatically dim down |
| | to protect components |
| Ambient temperature range | -40 to +50 °C |
| | |
| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) SDCM <3 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |
| Standard Deviation of Colour Matching | SDCM≤3 |
| (McAdam ellipse) | |
| | |
| Over Time Performance (IEC Complian | nt) |
| Driver failure rate at 5000 h | 1% |
| Control gear failure rate at median useful life | e 20 % |
| 50000 h | |
| Lumen maintenance (EN-IEC 62722-2-1) at | L80 |
| median useful life* 50000 h | |
| | |
| Product Data | |
| Order product name | BWC120 LED18-/830 PSU II WH PH |
| Full product name | BWC120 LED18-/830 PSU II WH PH |
| Full product code | 871829185194399 |
| Order code | 910500454103 |
| Material Nr. (12NC) | 910500454103 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291851943 |
| Numerator - Packs per outer box | 4 |
| EAN/UPC - Case | 8718291852025 |
| Product family code | BWC120 [SECURITY LED 120] |
| | |

data subject to change

Dimensional drawing







FWC LED



© 2025 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.