# FWC LED

## BWC110 LED9-/830 PSU II WH

SECURITY LED 110, LED Module 900 lm, Power supply unit
(On/Off)

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 | LED9 [LED Module 900 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Photocell | – |
| Remarks | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source engine type | LED |
| Product family code | BWC110 [SECURITY LED 110] |
| Lighting Technology | LED |
| Value ladder | Value |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 5 s |

| | |
|---|---|
| EU RoHS compliant | Yes |

| Light Technical | |
|---|---|
| Upward light output ratio | 0.08 |
| Luminous Flux | 900 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 100 lm/W |
| Color rendering index (CRI) | >80 |
| Number of light sources | 1 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 830 warm white |
| Optic type | – |
| Optical cover type | Opal bowl/cover |
| Luminaire light beam spread | 180° |
| Optic type outdoor | Symmetrical |

| Operating and Electrical | |
|---|---|
| Input Voltage | 200-220 V |

# FWC LED

| | |
|---|---|
| Line Frequency | 50 to 60 Hz |
| Inrush current | 27 A |
| Inrush time | 0.25 ms |
| Power Consumption | 9 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Screw connection block 3-pole |
| Cable | – |
| Number of products on MCB of 16 A type B | 50 |

## Temperature

| | |
|---|---|
| Ambient temperature range | –40 to +50 °C |

## Controls and Dimming

| | |
|---|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Acrylonitrile 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 | 242 mm |
| Overall width | 242 mm |
| Overall height | 136 mm |
| Effective projected area | 0.04 m² |
| Dimensions (Height x Width x Depth) | 136 x 242 x 242 mm |

## Approval and Application

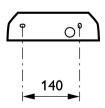| | |
|---|---|
| Ingress protection code | IP54 [Dust accumulation-protected, splash-proof] |

| | |
|---|---|
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Surge Protection (Common/Differential) | Philips standard surge protection level |
| Sustainability rating | – |
| Protection class IEC | Safety class II |

## 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 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Driver failure rate at 5000 h | 1 % |
| Lumen maintenance at median useful life* 50000 h | L70 |

## Application Conditions

| | |
|---|---|
| Performance ambient temperature Tq | 25 °C |

## Product Data

| | |
|---|---|
| Order product name | BWC110 LED9-/830 PSU II WH |
| Full product name | BWC110 LED9-/830 PSU II WH |
| Full product code | 871829185189999 |
| Order code | 910500454097 |
| Material Nr. (12NC) | 910500454097 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8718291851899 |
| Numerator – Packs per outer box | 4 |
| EAN/UPC – Case | 8718291851974 |

## Dimensional drawing

www.lighting.philips.com