



FWC LED

BWC120 LED18-/830 PSU II BK

SECURITY LED 120, LED module 1800 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	LED18 [LED module 1800 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	BWC120 [SECURITY LED 120]
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
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Light Technical	
Upward light output ratio	0.08
Luminous Flux	1,800 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	128 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

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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

Temperature

Ambient temperature range	-40 to +50 °C
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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	Black
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
Effective projected area	0.06 m²
Dimensions (Height x Width x Depth)	178 x 282 x 282 mm

Approval and Application

Ingress protection code	IP54 [Dust accumulation-protected, splash-proof]
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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*	L70 50000 h

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BWC120 LED18-/830 PSU II BK
Full product name	BWC120 LED18-/830 PSU II BK
Full product code	871829185195099
Order code	910500454104
Material Nr. (12NC)	910500454104
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291851950
Numerator - Packs per outer box	4
EAN/UPC - Case	8718291852032

Dimensional drawing



