



FWC LED

BWC120 LED18-/830 PSU II WH PH

SECURITY LED 120, 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		EU RoHS compliant	
Lamp family code	LED18 [LED module 1800 lm]	Yes	
Light source replaceable	Yes		
Number of gear units	1 unit		
Driver included	Yes		
Photocell	Photocell included		
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		
		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	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
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 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

Dimensional drawing



