



# **FWC LED**

## **BWC120 LED18-/830 PSU II BK PH**

BWC120 | SECURITY LED 120, LED18 | 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
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Value
Serviceability class	Class C, luminaire without serviceable
	parts, not serviceable
Warranty period	5 years
Sustainability rating	-
Light Technical	
Upward light output ratio	0.08
Luminous Flux	1,800 lm
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	-
Luminaire light beam spread	180°
Optic type outdoor	Symmetrical
Effective projected area	0.06 m <sup>2</sup>
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

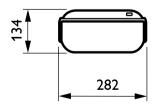
Datasheet, 2025, May 8 data subject to change

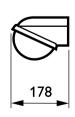
### **FWC LED**

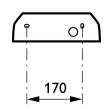
Total harmonic distortion	20 %
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Photocell	Photocell included
Mechanical and Housing	
Housing Material	Acrylonitile styrene acrylate
Reflector material	-
Optic material	-
Optical cover material	UV stabilized Polycarbonate cover
Fixation material	Polyamide
Housing Color	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
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	O°
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 °C	
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 Compliant)		
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 BK PH	
Full product name	BWC120 LED18-/830 PSU II BK PH	
Full product code	871829185196799	
Order code	910500454105	
Material Nr. (12NC)	910500454105	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718291851967	
Numerator - Packs per outer box	4	
EAN/UPC - Case	8718291852049	
Product family code	BWC120 [SECURITY LED 120]	

### 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.