



FWC LED

BWC120 LED18-/830 PSU II WH

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
Light Technical	
Upward light output ratio	0.08
Luminous Flux	1,800 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
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

FWC LED

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 ℃
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
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
Effective projected area	0.06 m²
Dimensions (Height x Width x Depth)	178 x 282 x 282 mm

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 ℃	
Product Data		
Order product name	BWC120 LED18-/830 PSU II WH	
Full product name	BWC120 LED18-/830 PSU II WH	
Full product code	871829185193699	
Order code	910500454102	
Material Nr. (12NC)	910500454102	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718291851936	
Numerator - Packs per outer box	4	
EAN/UPC - Case	8718291852018	

Approval and Application

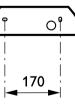
Ingress protection code

splash-proof]

Dimensional drawing







IP54 [Dust accumulation-protected,

FWC LED



© 2024 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.

www.lighting.philips.com 2024, January 22 - data subject to change