



FWC LED

BWC120 LED18-/830 PSU II WH PH

SECURITY LED 120, LED module 1800 lm, Power supply unit
(On/Off), Photocell included

Only texts for Benelux market available

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	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
EU RoHS compliant	Yes

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
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	85194399
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



