



FWC LED

BWC120 LED18-/830 PSU II WH

BWC120 | SECURITY LED 120, LED18 | LED module 1800 lm,
Power supply unit (On/Off)

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	Unit
Driver included	Yes
Light source engine type	LED
Service Tag	Yes
Lighting Technology	LED
Value ladder	Value
Warranty period	5 years

Light Technical	
Upwards light output ratio	0.08
Luminous Flux	1,800 lm
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	112.5 lm/W
Colour rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	-
Luminaire light beam spread	180°

Optic type outdoor	Symmetrical
Effective projected area	0.06 m²

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	16 W
Power Factor (Fraction)	0.95
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB (16 A type B)	27
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Standard surge protection level
Total harmonic distortion	20 %

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

FWC LED

Photocell	-
-----------	---

Mechanical and Housing

Housing material	Acrylonitrile styrene acrylate
Reflector material	-
Optic material	-
Optical cover/lens material	UV-stabilised polycarbonate cover
Fixation material	Polyamide
Housing Colour	White
Mounting device	Wall-mounting bracket
Optical cover/lens shape	Curved
Optical cover/lens 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 post-top	0°
Standard tilt angle side entry	0°
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. Colour Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	1 %
Control gear failure rate at median useful life 50,000 h	20 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.

Product Data

Order product name	BWC120 LED18-/830 PSU II WH
Full product name	BWC120 LED18-/830 PSU II WH
Full EOC	871829185193699
Order code	910500454102
Material no. (12 NC)	910500454102
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291851936
Numerator – packs per outer box	4
EAN/UPC - Case	8718291852018
Product family code	BWC120 [SECURITY LED 120]

Dimensional drawing



