



# **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	
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

## **FWC LED**

Line Frequency50 to 60 HzInrush current5 AInrush time0.05 msPower Consumption14 WPower Factor (Fraction)0.95ConnectionScrew connection block 3-poleCable-Number of products on MCB of 16 A type B27Temperature-40 to +50 °CMabient temperature range-40 to +50 °CDinmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and Housing-Housing MaterialAcrylonitile styrene acrylateReflector material-Housing ColorWhiteMounting deviceWall-mounting bracketOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall length178 mmEffective projected area0.06 m³		
Inrush time0.05 msPower Consumption14 WPower Factor (Fraction)0.95ConnectionScrew connection block 3-poleCable-Number of products on MCB of 16 A type B27Temperature-40 to +50 °CAmbient temperature range-40 to +50 °CControls and DimmingPower supply unit (On/Off)DimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and Housing-Housing MaterialAcrylonitile styrene acrylateReflector material-Optical cover materialUV stabilized Polycarbonate coverFixation materialPolyamideHousing ColorWhiteMounting deviceQual -mounting bracketOptical cover finishOpalOverall length282 mmOverall height178 mmEffective projected area0.06 m²	Line Frequency	50 to 60 Hz
Number of products on MCB of 16 A type B14 WPower Factor (Fraction)0.95ConnectionScrew connection block 3-poleCable-Number of products on MCB of 16 A type B27Temperature-Ambient temperature range-40 to +50 °CControls and DimmingPower supply unit (On/Off)DimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and Housing-Housing MaterialAcrylonitile styrene acrylateReflector material-Optical cover materialUV stabilized Polycarbonate coverFixation materialPolyamideHousing ColorWhiteMounting deviceCurvedOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall height178 mmEffective projected area0.06 m²	Inrush current	5 A
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Cable-Number of products on MCB of 16 A type B27Temperature-40 to +50 °CAmbient temperature range-40 to +50 °CControls and DimmingNoDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingHousing MaterialHousing MaterialAcrylonitile styrene acrylateReflector material-Optic materialUV stabilized Polycarbonate coverFixation materialPolyamideHousing ColorWhiteMounting deviceCurvedOptical cover shapeCurvedOptical cover finishOpalOverall leight282 mmOverall height178 mmEffective projected area0.06 m²	Power Factor (Fraction)	0.95
Number of products on MCB of 16 A type B       27         Temperature       -40 to +50 °C         Ambient temperature range       -40 to +50 °C         Controls and Dimming       No         Dimmable       No         Driver/power unit/transformer       Power supply unit (On/Off)         Constant light output       No         Mechanical and Housing       Acrylonitile styrene acrylate         Reflector material       -         Optic material       VV 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 height       178 mm         Effective projected area       0.06 m²	Connection	Screw connection block 3-pole
Temperature         Ambient temperature range       -40 to +50 °C         Controls and Dimming         Dimmable       No         Driver/power unit/transformer       Power supply unit (On/Off)         Constant light output       No         Mechanical and Housing       No         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 height       178 mm         Effective projected area       0.06 m²	Cable	-
Ambient temperature range       -40 to +50 °C         Controls and Dimming         Dimmable       No         Driver/power unit/transformer       Power supply unit (On/Off)         Constant light output       No         Mechanical and Housing       No         Housing Material       Acrylonitile styrene acrylate         Reflector material       -         Optic material       -         Optical cover material       UV stabilized Polycarbonate cover         Fixation material       Polyamide         Housing Color       White         Mounting device       Vall-mounting bracket         Optical cover shape       Curved         Optical cover finish       Opal         Overall length       282 mm         Overall height       178 mm         Effective projected area       0.06 m²	Number of products on MCB of 16 A type B	27
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DimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and Housing	Ambient temperature range	-40 to +50 °C
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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 height       178 mm         Effective projected area       0.06 m²	Dimmable	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 height       178 mm         Effective projected area       0.06 m²	Driver/power unit/transformer	Power supply unit (On/Off)
Housing MaterialAcrylonitile styrene acrylateReflector material-Optic material-Optical cover materialUV stabilized Polycarbonate coverFixation materialPolyamideHousing ColorWhiteMounting deviceWall-mounting bracketOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall height178 mmEffective projected area0.06 m²	Constant light output	No
Housing MaterialAcrylonitile styrene acrylateReflector material-Optic material-Optical cover materialUV stabilized Polycarbonate coverFixation materialPolyamideHousing ColorWhiteMounting deviceWall-mounting bracketOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall height178 mmEffective projected area0.06 m²		
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 height       178 mm         Effective projected area       0.06 m²	Mechanical and Housing	
Optic material-Optical cover materialUV stabilized Polycarbonate coverFixation materialPolyamideHousing ColorWhiteMounting deviceWall-mounting bracketOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall height178 mmEffective projected area0.06 m²	Housing Material	Acrylonitile styrene acrylate
Optical cover materialUV stabilized Polycarbonate coverFixation materialPolyamideHousing ColorWhiteMounting deviceWall-mounting bracketOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall width178 mmEffective projected area0.06 m²	Reflector material	-
Fixation materialPolyamideFixation materialPolyamideHousing ColorWhiteMounting deviceWall-mounting bracketOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall width282 mmOverall height178 mmEffective projected area0.06 m²	Optic material	-
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	Optical cover material	UV stabilized Polycarbonate cover
Mounting deviceWall-mounting bracketOptical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall width282 mmOverall height178 mmEffective projected area0.06 m²	Fixation material	Polyamide
Optical cover shapeCurvedOptical cover finishOpalOverall length282 mmOverall width282 mmOverall height178 mmEffective projected area0.06 m²	Housing Color	White
Optical cover finish     Opal       Overall length     282 mm       Overall width     282 mm       Overall height     178 mm       Effective projected area     0.06 m²	Mounting device	Wall-mounting bracket
Overall length     282 mm       Overall width     282 mm       Overall height     178 mm       Effective projected area     0.06 m²	Optical cover shape	Curved
Overall width     282 mm       Overall height     178 mm       Effective projected area     0.06 m²	Optical cover finish	Opal
Overall height     178 mm       Effective projected area     0.06 m <sup>2</sup>	Overall length	282 mm
Effective projected area 0.06 m <sup>2</sup>	Overall width	282 mm
	Overall height	178 mm
Dimensions (Height x Width x Donth) 178 x 282 x 282 mm	Effective projected area	0.06 m²
	Dimensions (Height x Width x Depth)	178 x 282 x 282 mm

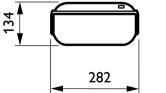
Mech. impact protection code	IK08 [5 J vandal-protected]	
Surge Protection (Common/Differential)	Philips standard surge protection level	
Sustainability rating	-	
Protection class IEC	Safety class II	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.43, 0.40) 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 °C	
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	

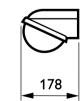
#### Approval and Application

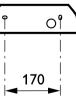
Ingress protection code

splash-proof]

### Dimensional drawing







IP54 [Dust accumulation-protected,

2

### **FWC LED**



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