



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

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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
Power 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 DimmingNoDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and Housing-Housing MaterialAcrylonitile styrene acrylateReflector material-Optical cover materialUV stabilized Polycarbonate coverFixation materialPolyamideMounting deviceWall-mounting bracketOptical cover finishOpalOverall length282 mmOverall height178 mmEffective projected area0.06 m²	Inrush time	0.05 ms
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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
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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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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
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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 ²	Overall length	282 mm
Effective projected area 0.06 m ²	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

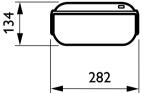
Mech. impact protection code	IK08 [5 J vandal-protected]	
Surge Protection (Common/Differential)	Philips standard surge protection level	
Sustainability rating	-	
Protection class IEC	Safety class II	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.43, 0.40)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

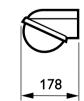
Approval and Application

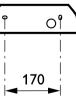
Ingress protection code

splash-proof]

Dimensional drawing







IP54 [Dust accumulation-protected,

2

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