PHILIPS Lighting



Ledinaire Floodlights Solar

BVP085 LED42/830

Ledinaire Floodlights Solar, 32 W, 4160 lm, 3000 K, CRI80, IR remote, Symmetrical, IP65

Install it everywhere, no energy bill anymore. This Ledinaire floodlight range is powered by a solar panel and an integrated battery. A remote control enables you to light it On/Off and choose between different lighting durations and dimming possibilities. The range comes with the Philips high quality levels at a competitive price. Reliable, energy-efficient and affordable – just what you need.

Warnings and Safety

- The floodlight will not work and the battery will not charge below 0°C in order to protect the battery lifetime
- Optimum battery charging under bright sun exposure
- Disposal at end of life: Battery to be removed by professional

Product data

General Information		Serviceability class	Class C, luminaire without serviceable
Lamp family code	LED42S [LED module, system flux 4200		parts, not serviceable
	lm]	Mounting	Wall
Number of gear units	1 unit		
Driver included	Yes	Light Technical	
Feed-through wiring	-	Upward light output ratio	0
Light source engine type	LED system in flux	Luminous Flux	4,160 lm
Value ladder	Value	Standard tilt angle posttop	27°
Explosion hazard class	-	Standard tilt angle side entry	-
Embedded control	Solar dim profile version 1	Luminous Efficacy (rated) (Nom)	130 lm/W
		Saturated Red (R9)	<50

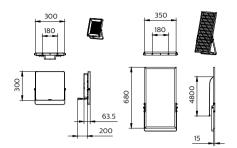
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Correlated Color Temperature (Nom)	3000 K
Color rendering index (CRI)	80
Beam angle of light source	114 degree(s)
Light source color	830 warm white
Optic type	Very wide beam
Optical cover type	Glass
Luminaire light beam spread	114°
Optic type outdoor	Symmetrical
Operating and Electrical	
Input Voltage	10 V
Line Frequency	0 Hz
Inrush current	0 A
Inrush time	0 ms
Power Consumption	32 W
Power Factor (Fraction)	1
Connection	Waterproof External plug-in connector 3-
	pole
Cable	2×0.75mm²
Number of products on MCB of 16 A type B	-
Temperature	
Ambient temperature range	0 to +50 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Driver integrated on LED board (DoB)
Driver/power unit/transformer Control interface	Driver integrated on LED board (DoB) IR remote
Control interface	IR remote
Control interface	IR remote
Control interface Constant light output	IR remote
Control interface Constant light output Mechanical and Housing	IR remote No
Control interface Constant light output Mechanical and Housing Housing Material	IR remote No Aluminum
Control interface Constant light output Mechanical and Housing Housing Material Reflector material	IR remote No Aluminum Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	IR remote No Aluminum Polycarbonate Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	IR remote No No Aluminum Polycarbonate Glass
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	IR remote No No Aluminum Polycarbonate Glass Steel
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	IR remote No Aluminum Polycarbonate Polycarbonate Glass Steel Grey
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	IR remote No No Aluminum Polycarbonate Glass Steel Grey Via U Shaped Bracket, Aiming Scale Angle,
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	IR remote No No Aluminum Polycarbonate Polycarbonate Glass Steel Grey Via U Shaped Bracket, Aiming Scale Angle, Universal Installation
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	IR remote No Aluminum Polycarbonate Polycarbonate Glass Steel Grey Via U Shaped Bracket, Aiming Scale Angle, Universal Installation Flat
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish	IR remote No No Aluminum Polycarbonate Polycarbonate Glass Steel Grey Via U Shaped Bracket, Aiming Scale Angle, Universal Installation Flat Clear
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Housing Color Mounting device Optical cover shape Optical cover finish Reflector Finish	IR remote No No Aluminum Polycarbonate Polycarbonate Glass Steel Grey Via U Shaped Bracket, Aiming Scale Angle, Universal Installation Flat Clear High-gloss reflector
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish Reflector Finish Overall length	IR remote No No Aluminum Polycarbonate Polycarbonate Glass Steel Grey Via U Shaped Bracket, Aiming Scale Angle, Universal Installation Flat Clear High-gloss reflector 320 mm
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Housing Color Mounting device Optical cover shape Optical cover finish Reflector Finish Overall length Overall width	IR remote No No Aluminum Polycarbonate Polycarbonate Glass Steel Grey Via U Shaped Bracket, Aiming Scale Angle, Universal Installation Flat Clear High-gloss reflector 320 mm 342 mm

Approval and Application		
Ingress protection code	IP65 [Dust penetration-protected, jet-	
	proof]	
Mech. impact protection code	IK06 [1 J]	
Surge Protection (Common/Differential)	1.5/1.5 kV	
Sustainability rating	-	
Protection class IEC	Safety class III	
Glow-wire test	Temperature 650 °C, duration 30 s	
Flammability mark	For mounting on normally flammable	
	surfaces	
CE mark	Yes	
ENEC mark	-	
Warranty period	2 years	
Photobiological risk	Photobiological risk group 0 @200mm to	
	EN62778	
EU RoHS compliant	Yes	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.312,0.334) SDCM<=5	
Power consumption tolerance	+/-5%	
Init. Color Rendering Index Tolerance	-2	
Over Time Performance (IEC Complia	nt)	
Control gear failure rate at median useful	7.5 %	
life 50000 h		
Lumen maintenance at median useful life*		
	L70	
50000 h	L70	
	L70	
Application Conditions		
Application Conditions Performance ambient temperature Tq	25 °C	
Application Conditions		
Application Conditions Performance ambient temperature Tq	25 °C	
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	25 °C 10%	
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	25 °C 10% Not applicable	
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Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	25 °C 10% Not applicable BVP085 LED42/830 BVP085 LED42/830 872016975203099 911401882102	
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	25 °C 10% Not applicable BVP085 LED42/830 BVP085 LED42/830 872016975203099 911401882102 911401882102	
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	25 °C 10% Not applicable BVP085 LED42/830 BVP085 LED42/830 872016975203099 911401882102 911401882102 1	
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack Net Weight (Piece)	25 °C 10% Not applicable BVP085 LED42/830 BVP085 LED42/830 872016975203099 911401882102 911401882102 1 1 6.200 kg	
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack Net Weight (Piece) EAN/UPC - Product/Case	25 °C 10% Not applicable BVP085 LED42/830 BVP085 LED42/830 872016975203099 911401882102 911401882102 1 1 6.200 kg 8720169752030	
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack Net Weight (Piece)	25 °C 10% Not applicable BVP085 LED42/830 BVP085 LED42/830 872016975203099 911401882102 911401882102 1 1 6.200 kg	

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Dimensional drawing





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