



# Solar flood lighting kit.

# SmartBright Solar Flood Light

Solar flood lighting DIY kit with lithium ferro phosphate battery built in the luminaire, Split folding solar panel, remote controller and installation accessories. IP 66, IK 07, Extruded aluminium construction for sturdiness and long life. Choice of four lumen packs -1000, 2000, 3000, 4800 lumens

#### **Benefits**

- · All component included in one box do it yourself
- · Easily configurable as per consumer need.
- · Durable and long lasting.
- Solar Flood for wide outdoor applications where electrical connection is not possible / difficult.

#### **Features**

- Solar floodlight range of 4 product
   – equivalent to 100W, 200W, 300W and 500W
  Halogen floodlights respectively
- Infra red remote controller to dim luminaires with three presets- low, medium, high
- · Aluminum die cast housing
- · Split folding solar panel
- · LiFePO4 battery included inside the luminaire.

#### **Application**

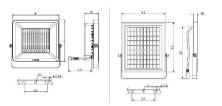
- Amenity
- Security
- Landscape
- Parking
- · Individual homes
- · Plaza Square
- · Architectural lighting

# SmartBright Solar Flood Light

## **Warnings and Safety**

• This product includes rechargeable batteries which must be adequately charged under sunlight before use.

## Dimensional drawing



TYPE	W	L	H	W1	L1	H1	L4
10001n	200	200	60.4	190	240	17	200
20001m	200	200	60.4	240	350	17	200
30001n	300	300	63.5	350	350	17	200
48001m	300	300	63.5	350	500	17	200
TYPE	L2	d	a×b	1.3	d1	a×b1	LS.
100000	L2 100	d 8, 5	a×b 15×8, 5	1.3 100	d1 8.5	a×b1	L5 4800
10001n		107	100,000		0.00	200000	
TYPE 10001m 20001m 30001m	100	8, 5	15×9, 5	100	8.5	15×8.5	4800

Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>80
- , ,	
Operating and Electrical	
Battery type	Lithium Ferro
	Phosphate
Charge controller type	PWM
Panel type	Poly crystalline
Temperature	
Ambient temperature range	0 to +50 °C
Controls and Dimming	
Dimmable	Preset Dimming
Configurability	Configurable
Mechanical and Housing	
Housing Color	RAL 9007
Approval and Application	
Ingress protection code	IP65
mgress protection code	11 33
Application Conditions	
Battery location	Inbuilt
Grid connection type	Off grid
Solar dimming profile	Four preset
	dimming profile
	selectable by
	remote controller

## Operating and Electrical (1/2)

		Battery	Battery	Charge controller	Panel peak
Order Code	Full Product Name	ampere hour	voltage	wattage	wattage
911401835802	BVP080 LED30/757 150	6 Ah	9.6 V	20 W	20 W
	G2				
911401835902	BVP080 LED20/757 100	12 Ah	3.2 V	13 W	13 W
	G2				
911401836002	BVP080 LED10/757 060	6 Ah	3.2 V	6.5 W	7 W
	G2				
911401836102	BVP080 LED48/757 200	12 Ah	9.6 V	32 W	32 W
	G2				

## Operating and Electrical (2/2)

Order Code	Full Product Name	Panel voltage
911401835802	BVP080 LED30/757 150 G2	15 V
911401835902	BVP080 LED20/757 100 G2	5 V

911401836002 BVP080 LED10/757 060 G2 5 V	5 V

# SmartBright Solar Flood Light

Order Code	Full Product Name	Panel voltage
911401836102	BVP080 LED48/757 200 G2	15 V

#### Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401835802	BVP080 LED30/757 150	320 mm	332 mm	63.1 mm
	G2			
911401835902	BVP080 LED20/757 100	220 mm	228 mm	60 mm
	G2			

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401836002	BVP080 LED10/757 060 G2	220 mm	228 mm	60 mm
911401836102	BVP080 LED48/757 200 G2	320 mm	332 mm	63.1 mm



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.