All-in-one Solar pathway light range up-to 4000 Lumen

Essential SmartBright All-in-one Solar Pathway Light

Integrated solar pathway light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Optional wall mounting arm bracket. Microwave based motion sensor for optimizing battery autonomy.

Benefits
- Saves energy
- Environment friendly
- Easy configurability with remote
- No trenching for cabling required

Features
- Remote control for selecting lighting profile
- Wall mounting arm Kit option available
- High Lumen efficacy of upto 160lm/W
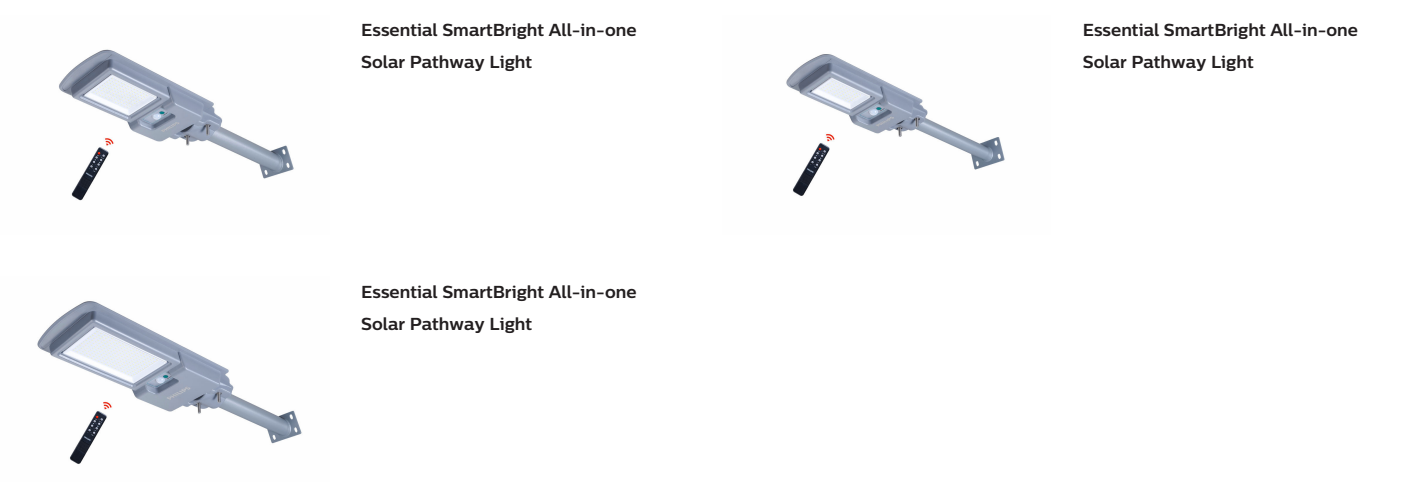- Microwave sensor for run time maximization

Application
- Walkways
- Pathways
- Amenities
- Gardens

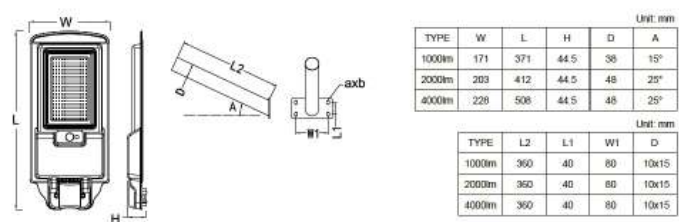# Essential SmartBright All-in-one Solar Pathway Light

Warnings and Safety

· Not recommended to install this luminaire higher than 4 meters height.
· Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive the maximum sunlight for charging the battery.
· Charge the product under sunlight for at least 8 hours before first time using.
· It works 100% on solar energy. This luminaire does not need any external electrical connection.

Versions

Essential SmartBright All-in-one Solar Pathway Light

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Dimensional drawing

Unit: mm

TYPE	W	L	H	D	A
1000lm	171	371	44.5	38	15°
2000lm	203	412	44.5	48	25°
4000lm	228	508	44.5	48	25°

Unit: mm

TYPE	L2	L1	W1	D
1000lm	360	40	80	10x15
2000lm	360	40	80	10x15
4000lm	360	40	80	10x15

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Light Technical

Color rendering index (CRI)	70

Operating and Electrical

Battery charging & discharging cycles	1000
Battery type	LiFePO4
Battery voltage	3.2 V
Charge controller type	PWM
Grid connection type	Off grid
Panel type	Mono crystalline

Controls and Dimming

Dimmable	Preset Dimming
Configurability	Not configurable
Solar dimming profile	Preset Dimming

Mechanical and Housing

Battery location	Inbuilt luminaire
Housing Color	Grey
Ingress protection code	IP65
Overall height	44.5 mm

Approval and Application

Ambient temperature range	0 to +45 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
911401894902	BRC010 LED20/765 kit Pro G2	6500 K
911401897902	BRC010 LED20/740 kit Pro G2	4000 K
911401897802	BRC010 LED10/740 kit Pro G2	4000 K
911401895002	BRC010 LED40/765 kit Pro G2	6500 K
911401898002	BRC010 LED40/740 kit Pro G2	4000 K

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage	Panel voltage
911401894902	BRC010 LED20/765 kit Pro G2	8 Ah	8 W	4.5 V
911401897902	BRC010 LED20/740 kit Pro G2	8 Ah	8 W	4.5 V
911401897802	BRC010 LED10/740 kit Pro G2	5 Ah	6 W	5 V

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage	Panel voltage
911401895002	BRC010 LED40/765 kit Pro G2	15 Ah	14 W	4.5 V
911401898002	BRC010 LED40/740 kit Pro G2	15 Ah	14 W	4.5 V

Mechanical and Housing

Order Code	Full Product Name	Overall length	Overall width
911401894902	BRC010 LED20/765 kit Pro G2	412 mm	203 mm
911401897902	BRC010 LED20/740 kit Pro G2	412 mm	203 mm
911401897802	BRC010 LED10/740 kit Pro G2	371 mm	171 mm

Order Code	Full Product Name	Overall length	Overall width
911401895002	BRC010 LED40/765 kit Pro G2	508 mm	228 mm
911401898002	BRC010 LED40/740 kit Pro G2	508 mm	228 mm

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