

Solar waterproof for places without access to electricity or with unreliable power supply

Essential SmartBright Solar Waterproof

Solar waterproof with inbuilt lithium battery and controller and microwave motion sensor and LED luminaire integrated in PC housing, and separated PV panel.

Benefits

- **Eco-friendly:** Solar waterproof is an eco-friendly solution that helps reduce your carbon footprint by producing clean energy without harming the environment.
- **No need for electricity:** Solar waterproof doesn't require electricity, which means you can place lights in areas that are difficult to access or far from a power source.
- **Cost-effective:** Solar waterproof is a cost-effective solution that can help you save money on repairs; maintenance and it can save you money in the long run by reducing electricity costs and eliminating the need for replacement bulbs.
- **Improved safety:** Solar waterproof can also improve safety by reducing the risk of electrical shock and fire hazards that can result from water damage.
- **Versatility:** Solar waterproof can be used in a variety of applications, including residential, commercial, and industrial solar systems.
- **Remote Control:** Working mode setting by remote control that is easy for the end-user, and this can be especially useful in situation where the lights are installed in hard-to-reach places.
- **Independence:** Solar waterproof gives you the freedom to light up your outdoor spaces without relying on the power grid or worrying about power outages.

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Features

- Wide applications
- Easy to installation
- IP65 and PC housing
- Completely powered by solar energy
- Microwave motion sensor inbuilt
- Set different working modes by remote control

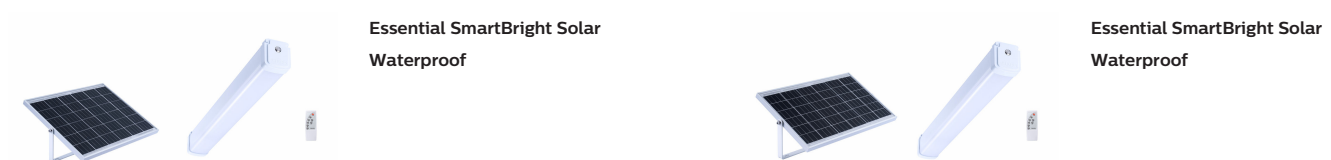
Application

- Under canopy, Small offices, Amenity, Covered parking, Temporary shelter, Non-functional areas of warehouse, Garden, Backyard, Camping tents...

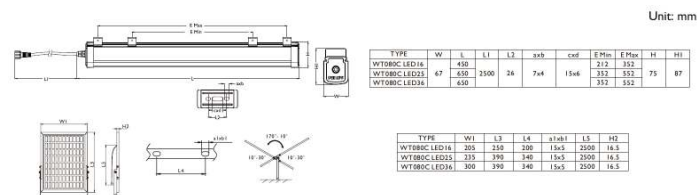
Warnings and Safety

- Install the solar waterproof in a sunny place that is not shaded by trees or buildings or walls.

Versions



Dimensional drawing



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Light Technical	
Color rendering index (CRI)	80
Operating and Electrical	
Battery ampere hour	6 Ah
Battery charging & discharging cycles	1000
Battery type	LiFePO4
Cable connection kit	Included
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	Dimming setting by remote controller
Mechanical and Housing	
Battery location	Inbuilt luminaire
Housing Color	White
Ingress protection code	IP65
Overall height	75 mm
Overall width	67 mm
Approval and Application	
Ambient temperature range	0 to +50 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
76118699	WT080C LED36/865 Solar	6500 K
76119399	WT080C LED36/840 Solar	4000 K
76120999	WT080C LED36/830 Solar	3000 K
76115599	WT080C LED25/865 Solar	6500 K
76116299	WT080C LED25/840 Solar	4000 K
76117999	WT080C LED25/830 Solar	3000 K
76112499	WT080C LED16/865 Solar	6500 K
76113199	WT080C LED16/840 Solar	4000 K
76114899	WT080C LED16/830 Solar	3000 K

Operating and Electrical

Order Code	Full Product Name	Panel peak		
		Battery voltage	wattage	Panel voltage
76118699	WT080C LED36/865 Solar	12.8 V	15 W	18 V
76119399	WT080C LED36/840 Solar	12.8 V	15 W	18 V
76120999	WT080C LED36/830 Solar	12.8 V	15 W	18 V
76115599	WT080C LED25/865 Solar	12.8 V	15 W	18 V
76116299	WT080C LED25/840 Solar	12.8 V	15 W	18 V

Order Code	Full Product Name	Panel peak		
		Battery voltage	wattage	Panel voltage
76117999	WT080C LED25/830 Solar	12.8 V	15 W	18 V
76112499	WT080C LED16/865 Solar	6.4 V	8 W	9 V
76113199	WT080C LED16/840 Solar	6.4 V	8 W	9 V
76114899	WT080C LED16/830 Solar	6.4 V	8 W	9 V

Mechanical and Housing

Order Code	Full Product Name	Overall length
76118699	WT080C LED36/865 Solar	650 mm
76119399	WT080C LED36/840 Solar	650 mm
76120999	WT080C LED36/830 Solar	650 mm
76115599	WT080C LED25/865 Solar	650 mm
76116299	WT080C LED25/840 Solar	650 mm

Order Code	Full Product Name	Overall length
76117999	WT080C LED25/830 Solar	650 mm
76112499	WT080C LED16/865 Solar	450 mm
76113199	WT080C LED16/840 Solar	450 mm
76114899	WT080C LED16/830 Solar	450 mm

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