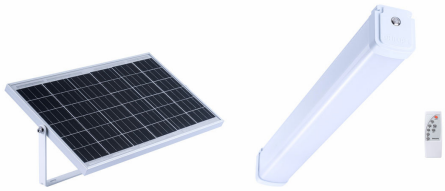
PHILIPS

Lighting



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.

Essential SmartBright Solar Waterproof

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

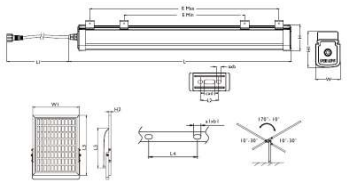
- Under canopy, Small offices, Amenity, Covered parking, Temporary shelter, Non-functional areas of warehouse, Garden, Backyard, Camping tents...

Warnings and Safety

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

Dimensional drawing

Unit: mm



TYPE	W	L	L1	L2	axb	cxd	E Min	E Max	H	H1
WT080C LED16	67	450	2500	26	7x4	15x6	212	352	75	87
WT080C LED25		650					352	552		
WT080C LED36		650					352	552		

TYPE	W1	L3	L4	a1xb1	L5	H2
WT080C LED16	205	250	300	15x5	2500	16.5
WT080C LED25	235	390	340	15x5	2500	16.5
WT080C LED36	300	390	340	15x5	2500	16.5

Essential SmartBright Solar Waterproof

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)
911401888502	WT080C LED36/865 Solar	6500 K
911401888602	WT080C LED36/840 Solar	4000 K
911401888702	WT080C LED36/830 Solar	3000 K
911401888202	WT080C LED25/865 Solar	6500 K
911401888302	WT080C LED25/840 Solar	4000 K
911401888402	WT080C LED25/830 Solar	3000 K
911401887902	WT080C LED16/865 Solar	6500 K
911401888002	WT080C LED16/840 Solar	4000 K
911401888102	WT080C LED16/830 Solar	3000 K

Operating and Electrical

Order Code	Full Product Name	Battery voltage	Panel peak wattage	Panel voltage
911401888502	WT080C LED36/865 Solar	12.8 V	15 W	18 V
911401888602	WT080C LED36/840 Solar	12.8 V	15 W	18 V
911401888702	WT080C LED36/830 Solar	12.8 V	15 W	18 V
911401888202	WT080C LED25/865 Solar	12.8 V	15 W	18 V
911401888302	WT080C LED25/840 Solar	12.8 V	15 W	18 V

Order Code	Full Product Name	Battery voltage	Panel peak wattage	Panel voltage
911401888402	WT080C LED25/830 Solar	12.8 V	15 W	18 V
911401887902	WT080C LED16/865 Solar	6.4 V	8 W	9 V
911401888002	WT080C LED16/840 Solar	6.4 V	8 W	9 V
911401888102	WT080C LED16/830 Solar	6.4 V	8 W	9 V

Mechanical and Housing

Order Code	Full Product Name	Overall length
911401888502	WT080C LED36/865 Solar	650 mm
911401888602	WT080C LED36/840 Solar	650 mm
911401888702	WT080C LED36/830 Solar	650 mm
911401888202	WT080C LED25/865 Solar	650 mm
911401888302	WT080C LED25/840 Solar	650 mm

Order Code	Full Product Name	Overall length
911401888402	WT080C LED25/830 Solar	650 mm
911401887902	WT080C LED16/865 Solar	450 mm
911401888002	WT080C LED16/840 Solar	450 mm
911401888102	WT080C LED16/830 Solar	450 mm

Essential SmartBright Solar Waterproof

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