

CONNECTED

LIGHT SOLUTIONS

A DIVISION OF BEACON LIGHTING

SOLAR LED LIGHT

Solar all in one

The LED Solar light (all in-one) was specifically designed that value high performance and various options for back-up support on days when the sun is not bright enough.

The LED Solar light is a product that comes in different power outputs to meet your individual project requirements with the various sized solar panels at the top of the light.

The system has been designed to use Lithium Iron Phosphate (LiFeO₄) batteries that has a well-defined performance, long-term stability and are very efficient.

The Solar Array is durable against extreme weather conditions and has advanced glass and solar cells surface texturing that allows for excellent performance in low-light environments.

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PERFORMANCE SUMMARY

Delivered Output: 1800lm - 23421lm

System voltage: 12V

Battery: LiFeO4

CRI: > 70

CCT: 3000K, 4000K

IP: 66

IK: 08

Beam Angle: TYPE II

FEATURES

Solar all in one: combine solar panel, battery, controller together

ADC12 high pressure die casting aluminum housing

High brightness LED chips with high LPW up to 180lm/w

With a choice of 3 size modules

Long lifetime LiFeO4 battery, suitable for high temperature areas

Multiple solar controller, converting energy efficiently and safely

Reap benefits of long term finance savings with solar energy

High efficiency monocrystalline silicon with 25 years lifespan

Mounting angle choice: 0°~ 90 ° / 0 °~ -15

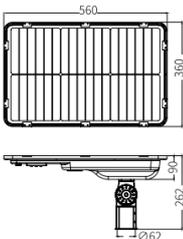
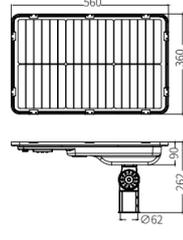
- A** ADC12 high pressure die casting aluminum housing
- B** Long-life, high efficacy LEDs 
- C** High-transmittance LENS, TYPE II /150° x70°
- D** ON / OFF switch button
- E** Microwave sensor with controller dimming function, save more battery energy during operation
- F** Mounting Angle flexible: 0-90 Degree / 0 ~ -15 Degree
- G** Ø50-60mm diameter pole entrance adaptors available upon request
- H** 10 PCS Die casting tableting fixing solar panel
- I** High efficiency monocrystalline with super long lifetime up to 25 years

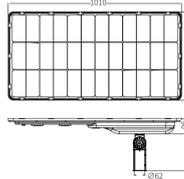
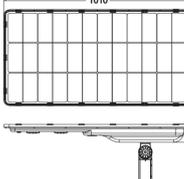


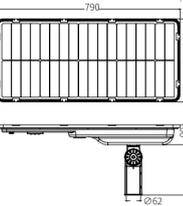
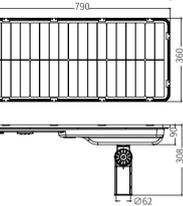
Solar LED Light

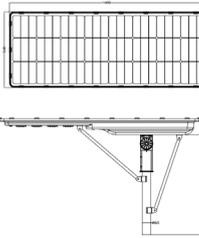
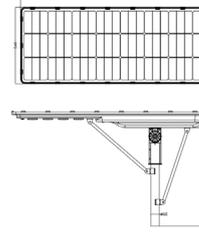
Solar all in one

PRODUCT LINE UP

| Model No. | Image | Dimensions |
|-------------------------|---|--|
| ZQL-S717 10W |  |  |
| ZQL-S717 20W |  |  |

| Model No. | Image | Dimensions |
|--------------------------|---|--|
| ZQL-S717 -60W |  |  |
| ZQL-S717 -80W |  |  |

| Model No. | Image | Dimensions |
|-------------------------|---|---|
| ZQL-S717 30W |  |  |
| ZQL-S717 40W |  |  |

| Model No. | Image | Dimensions |
|---------------------------|---|---|
| ZQL-S717 -100W |  |  |
| ZQL-S717 -120W |  |  |

Solar LED Light

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OPERATION MODE

Ambient light less than 30 lux:

Fixture start to work with detective and dimming function setting mode (see table below)

Ambient light more than 30 lux:

Fixture turn off automatically

Standard Operating Mode

Programme A

| Operating time | Somebody under the light | Nobody under the light |
|-----------------|--------------------------|------------------------|
| 2 hours | 100% | 50% |
| 3 hours | 50% | 30% |
| 6 hours | 20% | 10% |
| 1 hour | 30% | 20% |
| Charge Duration | | 2 Days |

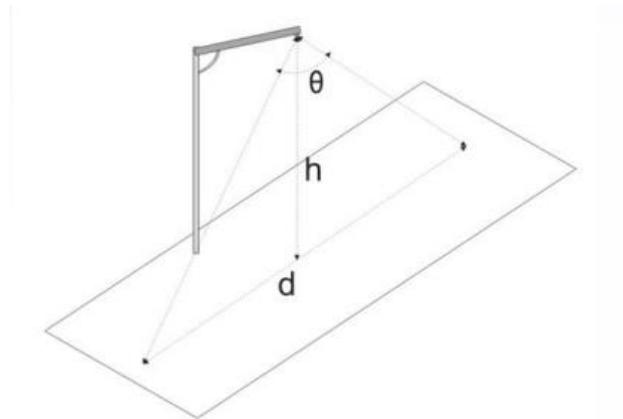
Programme B

| Operating time | Somebody under the light | Nobody under the light |
|-----------------|--------------------------|------------------------|
| 5 hours | 100% | 50% |
| 7 hours | 50% | 0% |
| Charge Duration | | 2 Days |

Programme C

| Operating time | Somebody under the light | Nobody under the light |
|-----------------|--------------------------|------------------------|
| 12 hours | 100% | 100% |
| Charge Duration | | 3 Days |

| Detection distance | PIR | Microwave |
|--------------------|--------|-----------|
| Θ | 100° | 100° |
| H | 6-8m | 6-10m |
| D | 14-18m | 14-22m |



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ORDER LOGIC

| Product ID | Optical | CCT | Control Method | Solar Module | Back-up Days* (Support) | Programming | Finish colour |
|------------------|------------|--------------------------|-------------------------------|--|---------------------------|---|--------------------------------|
| SL - Solar Light | I, II, III | 40 = 4000K 30 = 3000K | PIR = PIR Motion Sensor | 10 = 10W 20 = 20W 30 = 30W 40 = 40W 50 = 50W 60 = 60W 80 = 80W 100 = 100W 120 = 120W | 1 Day 2 Days 3 Days | Programme A Programme B Programme C | SG = Silver Grey BK = Black |

Please contact one of our sales representatives to discuss the back-up time / programming options available.

* Assumption is made for a full charged battery.

DIMENSIONS

| | Small | Medium | Large | X Large |
|--------------------|-------------|-------------|--------------|--------------|
| | 560 x 360mm | 790 x 360mm | 1010 x 520mm | 1400 x 545mm |
| 12 Hrs PIR & Prog. | 10W & 20W | 30W & 40W | 60W & 80W | 100W & 120W |
| 24 Hrs 100% | 20W | | | |
| 36 Hrs 100% | | | 20W | 34W |

PHOTOMETRIC



TYPE II

- C0° - C180° Vertical plane
- C90° - C270° Vertical plane