



## WARNINGS



**PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION / MAINTENANCE**

- If a fitting is found to be damaged, cease use immediately.
- Contains batteries – avoid extreme heat/ fire and recycle sensibly – check with your local authority or retailer for further advice.
- The unit may get warm whilst on for a period of time.
- Always take care when installing your solar light, especially when mounting it in high places.
- Secure all cabling, leaving slightly slack.
- All connections should be made as watertight as possible to avoid electrical shortage.
- Do not modify this fitting or it may void any warranty and result in an unsafe product. Always consult the manufacturer.
- Ensure all mounting instructions are followed.
- Ensure the fitting is mounted out of range of head height to avoid injury.
- The unit will not charge correctly if the panel is behind glass or in artificial light.

## SPECIFICATIONS

**Wattage:** 10W (100W equivalent) // 30W (300W equivalent)  
**LEDs:** SMD 2835 LEDs 1W = 88pcs / 30W = 180pcs (120°\*60° Beam Angle)  
**Colour Temperature:** CCT Switch (3000K / 6000K)  
**Lumen Output:** 1500lm // 4800lm  
**LED Life Expectancy:** 50,000 hours (approx.)  
**Sensor:** PIR (motion sensor) 8m\*120° detection + Light Sensor (photoreceptor)  
**Light Sensor LUX Level:** ON <20 Lux OFF >40 Lux (approx.)  
**Function:** Constant On / PIR Mode (Variable – see remote control settings)  
**IP Rating:** IP65 (IP67 Connector Plug)  
**Cable Length:** 5m (approx.) plug & play  
**Solar Panel:** Monocrystalline 10W = 4.5W 6V, 30W = 10.5W 10V  
**Battery Type:** 10W = Lithium Ion 18650 3.7V 3.6Ah 13.32Wh // 30W = LiFePO4 32700 6.4V 6Ah 38.4Wh (replaceable)  
**Battery Charge Time:** 4-6 hours (approx.)  
**Max Illumination Time at Full Charge:** 12-14 hours (varies by function, location, weather & seasonal light conditions)  
**Illumination Coverage:** 10W = ≤80m<sup>2</sup> // 30W = ≤150m<sup>2</sup>  
**Materials:** ABS, Polycarbonate, Tempered Glass, Steel (bracket), Stainless Steel (bolts)  
**Mounting:** Surface mount (adjustable brackets) – compatible with ground spike  
**Recommended Install Height:** 2-4m  
**Recommended Install Distance:** 10W = 6-8m // 30W = 10-14m  
**Remote Control:** Infrared (10-12m range) – requires 1 x CR2025 battery (included)  
**Working Temperature:** -10°C to 40°C  
**Features:** Built-in IC intelligence with over-charge and over-discharge protection  
**Included:** Flood Light, Solar Panel, 4x M8\*60mm Fixings Pack, Remote Control  
**Dimensions:** 10W F: 153\*147\*32mm S/P: 202\*221\*24mm // 30W F: 200\*175\*49mm S/P: 375&256&22mm



✓✓✓  
**3 YEAR  
GUARANTEE**  
see website for  
more details

## CLEANING & MAINTENANCE:

Occasional cleaning and care are recommended for this product. Wipe with a soft, slightly damp cloth to remove any surface dirt. To maintain efficiency, specifically clean the solar panel, floodlight lens and PIR sensor on a regular basis. Also, keep the solar panel free of debris and snow to prevent reduced battery life or malfunction. Do not use abrasive cleaners or a lot of water as this could damage the fitting. Please refer to our website for more information on the best way to clean different materials.

## RETURNS & RECYCLING:

**If purchased from a 3<sup>rd</sup> party, please contact your supplier. If purchased direct, contact us by phone or email:**  
 Lumena Lights Ltd, Centre 33 Long March, Daventry, NN11 4NR Tel: +44 1327 871161 Email: [sales@lumenalights.com](mailto:sales@lumenalights.com)  
**Our full returns policy is available on our website.**

Waste Electrical Products should not be disposed of with household waste. Please check with your local authority or contact us for more information. Please recycle packaging whenever possible. **Producer Registration Numbers: WEE/KC3440XY / BPRN0843**

## INSTALLATION:

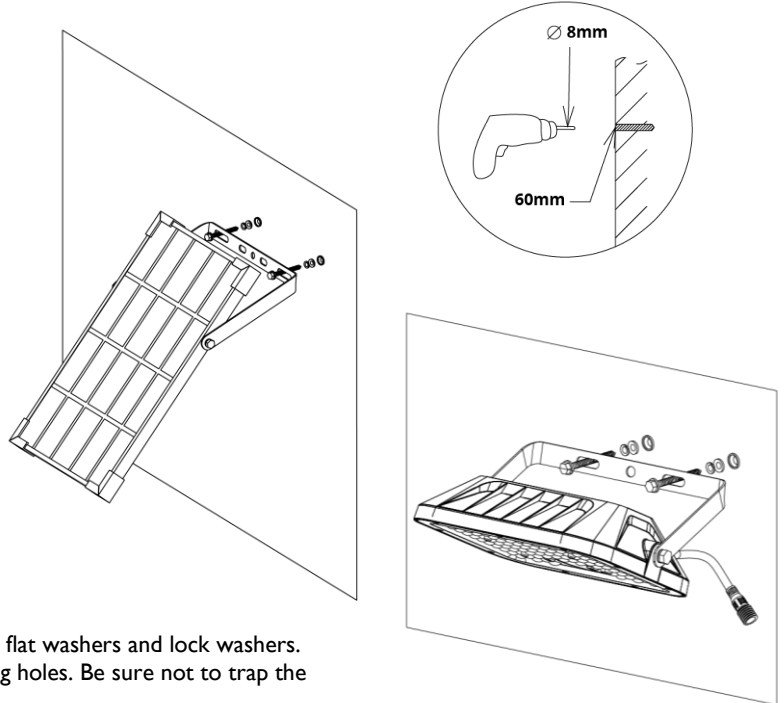
The Observa is designed to be mounted on any flat surface, with the solar panel located up to approximately 5m away to ensure maximum light exposure. The higher the light is mounted, the larger the illuminated area with slightly less intensity.

**Location** – It is important that the installation location is carefully considered, avoiding shady areas. The best position for the solar panel for optimum charging is south facing. Ensure there are no other lights which could interfere with the panel, imitating daylight.

Always mount the solar panel higher than the floodlight to avoid light interference.

### SURFACE MOUNTING

1. Experiment with desired position of both the flood light and solar panel, ensuring there is enough slack in the cable to safely hook up when they are mounted in the desired location in prime charging position. It is recommended that cables are connected to ensure there is enough cable (with slack) between the panel and unit before final mounting.
2. Once happy with the positioning, mark the mounting holes of each bracket in the desired location, using the brackets as a template.
3. Drill out the 2x holes per bracket with an 8mm drill bit to a depth of 60mm.
4. Insert the supplied plugs into the pre-drilled holes.
5. Secure the solar panel in place with the supplied screws, flat washers and lock washers. Adjust positioning as necessary via the slotted mounting holes. Be sure not to trap the cable.
6. Adjust the solar panel to the desired position (45 degrees upwards – south facing recommended for maximum charge effectiveness). Loosen / tighten side bolts as required.
7. Secure the floodlight in place with the supplied screws, flat washers and lock washers. Adjust positioning as necessary via the slotted mounting holes. Be sure not to trap the cable.
8. Adjust the floodlight to the desired angle for sensor detection and illumination. Loosen / tighten side bolts as required.
9. If not already done so, connect the floodlight and solar panel cables (see below). Check the waterproof cable connector is secure.

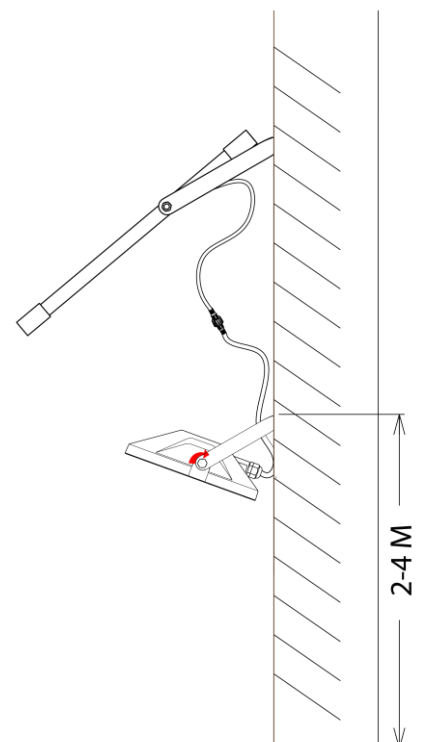
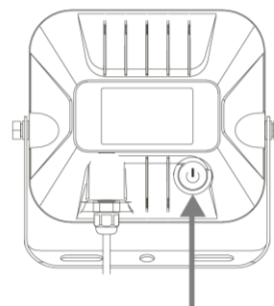


**NOTE:** Brackets can be removed from the floodlight and solar panel if required during installation.

### CABLE CONNECTIONS:

The Observa uses a simple, modular, plug & play system. To connect the waterproof connector:

1. Firmly push the male plug of the solar panel into the female plug of the floodlight.
2. Ensure the red o-ring is present
3. Secure the connectors by fully tightening the screw cap by hand (turning clockwise) to create a watertight connection.
4. Turn on the main power button located on the back of the floodlight. Cover the solar panel to ensure the light illuminates.



### IMPORTANT:

If the floodlight is mounted at ground level, place the cable inside conduit or piping to protect from water-logging, damage and chemicals found in soil. If this method is not followed, cable warranty may be void. Cables can also be hooked up on fences safely, however protective sleeving is still recommended.

**CHARGING:**

**FIRST CHARGE:** Although the battery has been charged by the manufacturer, the battery level will have decreased during storage. It is recommended to charge for 12 hours prior to first use. Turn on the floodlight with the main power button on the back of the floodlight, and then turn off with the remote control. After 12 hours of charging select the desired setting. To check if the fitting is turned on during daylight, cover the solar panel completely with a sheet. The light will illuminate if turned on. The floodlight will not illuminate during daylight. Batteries will continue to charge during daylight when the lamp is turned off.

During poor weather conditions, it is recommended to use PIR mode only to retain battery charge for as long as possible.

**THE FLOODLIGHT MUST BE PLUGGED INTO THE PANEL TO CHARGE AS THE BATTERY IS LOCATED WITHIN THE FLOODLIGHT UNIT**

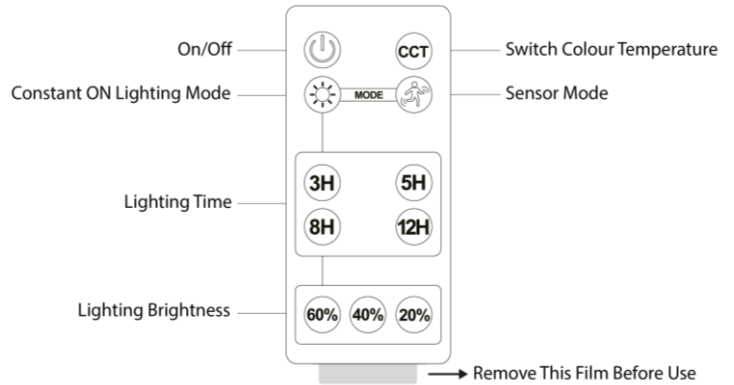
**WORKING MODES:**

Before use, remove the film from battery compartment. Remote control can command more than one fitting in range. Infra-red sensor is located in the floodlight lens (up to 12m range).

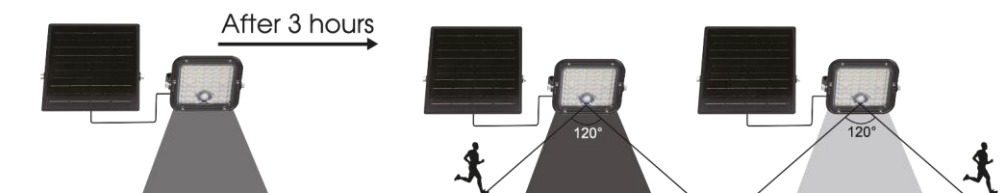
**Default mode:** Constant On at 60% brightness (3 hours) followed by PIR Sensor Mode

Lighting Time and Lighting Brightness applicable only to Constant on Mode.

Light will flash once to register each remote control button selection.



**CONSTANT ON (default)**  
 Floodlight automatically turns on at night at 60% brightness for 3 hours, then switches to PIR Sensor Mode.



**PIR SENSOR MODE**  
 Floodlight illuminates at 5% brightness, increases to full brightness when motion is detected, then returns to 5% when no motion is detected.

**INDICATOR LIGHTS:**

Indicator Light (Daytime)	Status
Always On	Fully charged
Flashes once every 3 seconds	Charging
Off	Not charging (not enough sunlight)
Indicator Light (Night Time)	Status
Off	Lamp discharging and working as usual
Flashes once per second	Lamp discharging (less than 30% battery charge)



**STORAGE:**

Disconnect the floodlight from the solar panel during storage, and remove the battery from the remote control. Maximum 6 months storage when charged. During storage period, recharge and full cycle will be required periodically to prevent damage to the battery.