



# FL82

## Solar LED Mini Spotlight Sign Light System

### TECHNICAL SPECIFICATIONS

Manufactured in an ISO9001:2008 'Quality Assured' facility.

#### GENERAL

- This system can typically light dusk till dawn.
- User programmable illumination time (dusk to dawn or for example dusk for 6 hours, dusk for 7 hours, dusk for 8 hours etc).
- Three mini spotlight fixtures are included in this system (an additional spotlight fixture is optional).
- The fixture is fitted with three 1w SMD/LED's.
- Total 270-300 Lumens per lamp (subject to color temperature).
- LED beam angle is approx. 60 degrees.
- Choice of white, warm white or RGB (multi-color LED)
- White LED color temperature is approx. 6000-6500k.
- Warm white LED color temperature is approx. 3000-3500k.
- RGB LED provides 16 different colors, dimmable feature and color changing option.
- RGB model comes complete with a IR remote control.
- The light fixture is fitted with approximately 18' of pre-wired cable which is pre-plugged ready for easy connection to the battery box. Additional extension cable is available (upon request) as an option.
- All connections are simply plug & play.
- The light fixture is weather rated to I.P 65. and is fitted with a U shape mounting bracket.
- The fixture mounting bracket has pre-drilled holes to allow fixing using screws or bolts (not included).
- Black colored finish of light fixture.
- Light fixture dimensions approx. 3" long x 3" diameter (8cm long x 8cm diameter).
- Up to 3 days of autonomy (subject to time length of night time illumination and other factors).



#### BATTERY BOX

- A plastic weatherproof battery box is supplied to accommodate the battery.
- Two high capacity 12 Volt 18 Amp/Hr sealed lead acid batteries are supplied.
- Battery type is AGM. Gel battery is available by special order.
- The battery box also houses the PCB controller.
- This system includes a programmable control module and regulates and manages the solar panel power, battery power and illumination timer.
- The compact control module has LED indicators to display status, input connections for solar panel and batteries and output connections for the lamp.
- User or installer can set the control module to run from dusk and then shut off after a certain amount of hours.
- The battery box is approx. 13" x 9" x 9" (33cm x 23cm x 23cm) LxWxD.

#### SOLAR PANEL

- High quality, aluminum framed, powerful 45 watt solar panel is included and is fitted with approximately 10' of cable/cord. Additional cord is available as an optional extra.
- The solar panel cord connects directly to the battery box.
- The solar panel support is supplied with a fold-out 'U' shape bracket which can be used to mount it to a suitable surface.
- The 45w solar panel dimensions approx. 34.5" x 20" x 1.5" (88cm x 51cm x 4cm) LxWxD.

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