

# FL84

## Solar LED Mini Spotlight Sign Light System

### TECHNICAL SPECIFICATIONS

Manufactured in an ISO9001:2000 'Quality Assured' facility.

#### PERFORMANCE

- Between ten and twenty spotlights are included in this system.
- Each light can illuminate a sign approx. 2 metres x 2 metres.
- System can typically run dusk to dawn with ten lights, 12 hours with 11 lights, 11 hours with 12 or 13 lights, 10 hours with 14 lights, 9 hours with 15 or 16 lights, 8 hours with 17 or 18 lights, and 7 hours with 19 or 20 lights.
- Up to 24 hours of autonomy subject to time length of night time illumination.

#### LIGHT FITTING

- Each light is fitted with three 1w SMD/LED's.
- Total 270-300 Lumens per lamp (subject to colour temperature).
- LED beam angle is approx. 60 degrees.
- Choice of white, warm white or RGB (multi-colour LED)
- White LED colour temperature is approx. 6000-6500K.
- Warm white LED colour temperature is approx. 3000-3500K.
- RGB LED provides 16 different colours, dimmable feature and colour changing option.
- RGB model comes complete with a IR remote control.
- The light is fitted with approximately 5.5 metres (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.
- The light fitting is weather rated to I.P 65. and is fitted with a U shape mounting bracket.
- Light fitting dimensions approx. 8cm long x 8cm diameter (3" long x 3" diameter).

#### BATTERY

- 12 volt system
- Two high capacity 12 Volt 79 Amp-Hr sealed lead acid batteries are required (not included).
- Battery type is AGM. Gel battery is available by special order.
- Batteries must be connected together in parallel.

#### BATTERY BOX

- A lockable battery box is supplied to accommodate the batteries.
- The battery box has a hinged lid which is lockable (padlock not included).
- The battery box has an integral battery shelf and also houses the PCB controller.
- The battery box is approx. 46cm x 36cm x 28cm (18" x 14" x 11") LxWxD.

#### CONTROL MODULE

- This system includes a programmable control module which regulates and manages the solar panel power, battery power, and illumination time.
- The compact control module has LED indicators to display status, and houses connections for solar panel, batteries, and lamp.
- User programmable illumination time of up to 1 to 12 hours or dusk-to-dawn setting (where conditions permit).
- User or installer can set the control module to run from dusk and then shut off after a certain amount of hours.
- Default setting is typically dusk to dawn.



**One Year\***  
Warranty ✓

**Low Price**  
Guarantee ✓

**No Quibble\***  
Returns ✓

**UK & Ireland**  
Shipping ✓

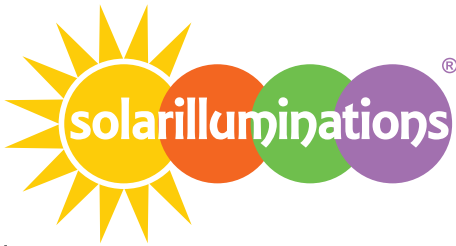
**Lifetime**  
Tech Support ✓

Communications House, 26 York Street, • London, W1U 6PZ • Great Britain • Phone: 020 7873 2262 • Fax: 020 7806 8372

**MONDAY - FRIDAY 9:00AM - 9:00PM (UK TIME)**

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- Instructions are supplied should the user need to program or re-program the module\*.

### SOLAR PANEL

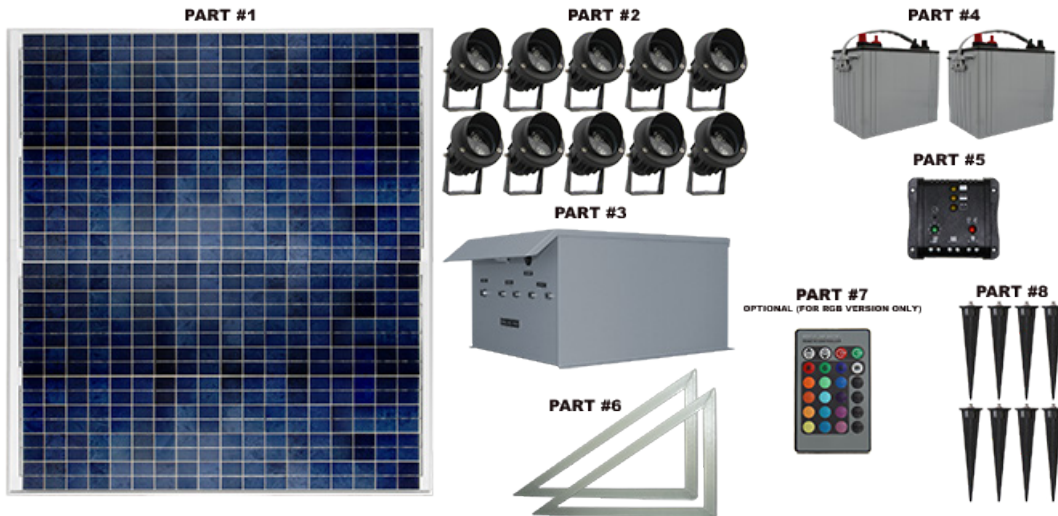
- Aluminium framed 140 watt solar panel is included and is fitted with approximately 5.5 metres (18') of cable/cord. Additional cord is available as an optional extra.
- Solar panels are sometimes supplied in dual format (2 x 70w = 140w).
- The solar panel cable connects directly to the battery box.
- The 140w solar panel dimensions approx. 114cm x 102cm x 4cm (45 x 40" x 1.5") LxWxD.
- The solar panel support brackets are triangular in shape and are approx. 132cm x 69cm x 112cm (52" x 27" x 44").



Optional Accessory: FL40

### INSTALLATION

- Easy to install. All connections are simply plug & play.
- The light's mounting bracket has pre-drilled holes to allow fixing using screws or bolts (not included).
- The mini spotlight comes complete with a ground spike (for optional use).
- An optional pole mount kit can be purchased (FL40).



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