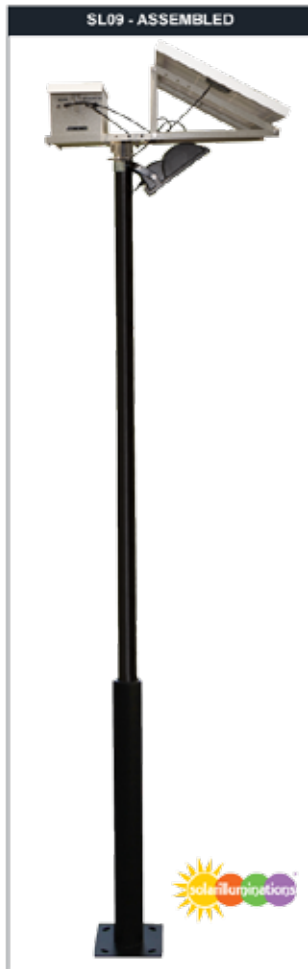


SL09 Solar 144 LED Floodlight



TECHNICAL SPECIFICATIONS

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

LAMP UNIT

- System includes one heavy duty, weatherproof sign light head.
- 144 hyper- bright Cree® SMD/LED's providing approx. 200 watts of incandescent light.
- Each SMD/LED provides 8 Lumens at source. Total 1152 Lumens.
- The weather resistant floodlight has approx. 48' of pre-wired cable which is pre-plugged ready for easy connection to the battery box.
- The floodlight fixture is weather rated to I.P 65. and is fitted with a U shape mounting bracket.
- Black colored finish of fixture.
- The fixture is supplied with a U shape mounting bracket which will also allow for vertical adjustment of the light beam spread.
- Operates up to 12 hours, or more, during darkness, in ideal conditions, subject to the solar panel wattage and other factors mentioned below.
- Typically about 4-6 hours of sunshine daily is required to enable full charge, subject to the solar panel wattage and other factors mentioned below.
- Product dimensions (main floodlight body) approx. 11" x 12" x 4" (LxWxD).

BATTERIES & BATTERY BOX

- A remote battery box is supplied to accommodate the batteries.
- Two, high capacity 12 volt, 17 Amp/Hr or 18 Amp/Hr sealed lead acid batteries are supplied.
- Batteries must be connected together in series, 24 volt dc system.
- 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 has a receptacle (socket) for the sign light fixture to be connected.
- All connections are simply plug & play.
- Each battery is approx. 7" x 7" x 3" (LxWxD).
- The metal battery box is approx. 14" x 7" x 7" LxWxD.
- Up to 24 hours of autonomy subject to time length of night time illumination.

CHARGE CONTROLLER/TIMER (PROGRAMMABLE CONTROL MODULE)

- This system includes a programmable control module which regulates and manages the solar panel power, battery power, and illumination timer.
- The compact control module has LED indicators to display status as well as input connections for solar panel, batteries, and output connections for the lamp.
- Push button programming.
- Accepts and controls GEL, AGM, and sealed lead acid type (VRLA) batteries.
- Low voltage disconnect regulated by state of charge or voltage.
- Detects daytime and night time conditions via the solar panel.
- Automatic adaption to ambient temperature conditions.
- Safety features for short circuit and reverse polarity protection of battery and lamp inputs.
- Automatic voltage recognition (12v or 24v).
- Float voltage for 12v system is 13.7v dc and for 24v system is 27.4v dc.
- Low voltage disconnect for 12v system is 11.4 ~ 11.9v dc or for 24v system is 22.8 ~ 23.8v dc.
- Reconnect voltage for 12v system is 12.8v dc or for 24v system is 25.6v dc.
- Dimensions approx. 11 cm x 10 cm x 4 cm (4" x 4" x 1.5") LxWxD.
- Ambient temperature range -40 deg C ~ +50 deg C (-40 deg F ~ +122 deg F).
- Protection rating I.P.22

One Year*
Warranty ✓

Low Price
Guarantee ✓

No Hassle*
Returns ✓

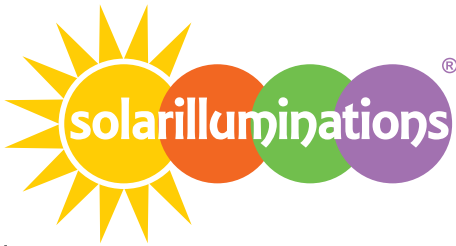
Worldwide
Shipping ✓

Lifetime
Tech Support ✓

5611 Halifax Avenue • Fort Myers • FL • 33912 • USA • Phone: 239-461-5522 • Fax: 239-337-7887

MONDAY - FRIDAY 10.00AM - 4.00PM (US EASTERN TIME)

www.solarilluminations.com • sales@solarilluminations.com



SL09 Solar 144 LED Floodlight



- Programmable lock-out feature for optional use to prevent accidental or unauthorised tampering.
- User programmable illumination time of up to 1 to 12 hours or dusk-to-dawn setting (where conditions permit).
- Default setting is typically dusk to dawn.
- User or installer can set the control module to run from dusk and then shut off after a certain amount of hours.
- For example from dusk for 4 hours then switch off, or run from dusk for 6 hours then switch off.

SOLAR PANEL

- High quality, aluminum framed, powerful 45 watt solar panel fitted with approximately 18' of cable/cord with weatherproof connector which connects directly to the battery box with approx. 17' of cable.
- Two special mounting frames are included to allow the solar panel to attach to a vertical or horizontal surface with two hole pre-drilled into each section of the frame.
- 45w solar panel dimensions approx. 34.5" x 20" x 1.5" (LxWxD). Size may vary depending upon solar panel wattage.

POLE & HARDWARE

- Supplied with a heavy duty steel pole with a flat black powder coated finish.
- Steel powder coated hardware kit is included for attachment directly to the pole.
- The hardware kit is supplied in section for easy assembly and will allow the battery box, solar panel and floodlight fixture to attach to form one system.
- The hardware kit will allow the solar panel to be adjusted to a variety of different angles to suit the geographic location of the site.
- The floodlight fixture hardware may be positioned at any point on the pole above or below the hardware kit.
- The pole is approximately 9.5' (285cm) high and has a welded base plate of approximately 1/3" (8mm) thick and approximately 10" x 10" (25cm x 25cm) square.
- The pole base has four pre-drilled elongated holes 3/4" wide.
- The pole is approximately 3" (76mm) diameter (O.D.) at the top and approximately 4.5" (115mm) diameter at the base.
- Rebar/anchor kit is included for installation into wet concrete with nuts, bolts and washers.
- Can be fixed to an existing concrete pad using suitable expanding anchor bolts (not included).



One Year*
Warranty ✓

Low Price
Guarantee ✓

No Hassle*
Returns ✓

Worldwide
Shipping ✓

Lifetime
Tech Support ✓

5611 Halifax Avenue • Fort Myers • FL • 33912 • USA • Phone: 239-461-5522 • Fax: 239-337-7887

MONDAY - FRIDAY 10.00AM - 4.00PM (US EASTERN TIME)

www.solarilluminations.com • sales@solarilluminations.com