

SL03

Solar 'High-Lite' Street Light / Car Park Light (With Pole)

TECHNICAL SPECIFICATIONS

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

GENERAL

- Operating voltage is 12 v. DC.
- Operating temperature -40 deg C ~ +51 deg C (-40 deg. F ~ 125 deg. F).
- Special control system to prevent over-charging and over-discharging.
- Illumination time is up to 12 hours or more, generally dusk to dawn.
- Up to 5 successive cloudy or alternating overcast days typically should not affect illumination time.
- Polished stainless steel material and construction.

BATTERY

- One 12 v. DC sealed lead acid, GEL or AGM type battery is required (not included).
- Battery capacity is typically 60, 65 or 70 Amp/Hour although a capacity of around 70 Amp/Hour is recommended.
- Over charge and over discharge protection system.
- The battery voltage maintained at or below 14.2 v. DC maximum and at or above 11 v. DC.
- Battery charge voltage is programmed to 16.9 v. DC.

CONTROL MODULE

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



Two Year*
Warranty ✓

Low Price
Guarantee ✓

No Quibble*
Returns ✓

UK & Ireland
Shipping ✓

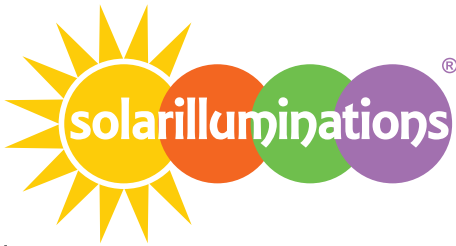
Lifetime
Tech Support ✓

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)

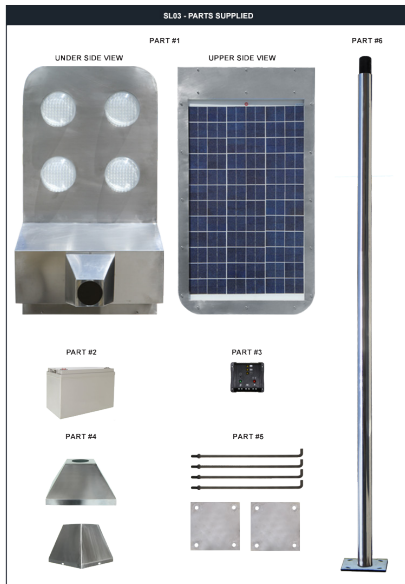
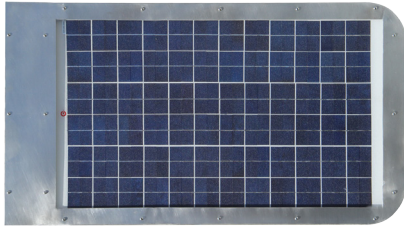
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*SUBJECT TO OUR TERMS & CONDITIONS, AND RETURNS POLICY



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SOLAR PANEL

- Highly efficient polycrystalline solar panel.
- Stainless steel frame with anti-aging and encapsulated.
- The solar panel is built into the top of the lamp head unit.
- Low reflecting tempered glass.
- Solar panel is 50 Watts.
- Solar panel typical voltage is 17v DC at 2.9A.
- Typical solar panel life is approximately 20-25 years subject to environmental factors.

LIGHT FITTING

- Fitted with 336 LED's.
- All LED's are white. Amber or white/amber or other LED colour temperatures possible, via special order only and at extra cost.
- Each LED has a light output of greater than 8000 mcd and approx. 6 Lux (Lumens per square metre).
- Each LED is rated at 3v / 15mA.
- The 320 LED lamp provides approx. 2016 Lux (Lumens per square metre) or approx. 160 Candela.
- Using a 4 metre (13') pole, average light pattern will provide approximately 30 Lux (Lumens per square metre) or 2.7 fc/ftc.
- Approximately 7-13 Lux is achieved at about 4 Metres (13') away, e.g. at the ground within the general illumination area.
- Each LED is rated at 3v DC / 15mA.
- Polarity protected circuitry.
- Power consumption at 12v DC is 1.5A / 18 Watts.
- LED life is typically 100,000 hours or equal to about 22 years.
- No bulb changes unlike other street lights.
- Removable LED circuit board with easy plug-in connections.
- Integral battery box which accepts a 12v sealed lead acid Gel type, maintenance free, rechargeable battery.
- Maximum battery capacity is 70 Amp/Hr.
- Stainless steel construction.
- Natural stainless steel finish.
- Custom colors by special order only.

POLE

- Stainless steel pole with base unit to enable secure installation.
- Fixing bolts for base not included.
- Pole height is 4 metres (13').
- Custom height pole by special order only.
- Natural stainless steel finish.
- Custom colors by special order only.

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