TECHNICAL PRODUCT SPECIFICATION

Solar-Powered Flashing LED Safety Light

High-Visibility Flush Mount Warning & Marker Light

RED LIGHT SOURCE

SKU: SLS-FL6-RED
Revision: 1.0 (Jul 2026)

LIGHT SOURCE	POWER SOURCE	MOUNTING	WARRANTY
6 LEDs	Solar / Li-ion	Flush Mount	1 Year

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION DETAILS
Light Source Type	Light Emitting Diode (LED)
Number of LEDs	6 High-Intensity LED Units
Illumination Color	● Red
Power Source	Solar Powered (Integrated Panel)
Battery Configuration	1x Rechargeable Lithium Ion (Included)
Special Features	Flashing Mode, Impact Resistant, Waterproof
Mounting Type	Flush Mount
Shape & Form Factor	Rectangular
Housing / Finish Material	Durable Engineered Plastic
Item Dimensions (L×W×H)	5.5" × 2.5" × 7.0" (13.97 cm × 6.35 cm × 17.78 cm)
Item Net Weight	0.31 kg (0.68 lbs / 10.93 oz)
Manufacturer Warranty	1 Year Limited Warranty

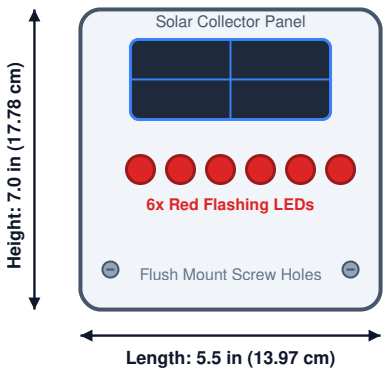
TARGET APPLICATIONS

- **Marine & Dock Safety:** Pier edges, boat slip signaling, and barrier marking.

KEY PRODUCT FEATURES

- **High-Visibility 6-LED Array:** Features 6 ultra-bright red LEDs optimized for long-distance flashing warning visibility.
- **Solar Energy Efficient:** Autonomous charging during daylight hours via top-mounted high-efficiency solar collector.
- **Rugged Weatherproof Construction:** Built with impact-resistant plastic casing designed to withstand harsh outdoor conditions and water exposure.
- **Seamless Flush Mounting:** Designed for low-profile, surface-flush installation to minimize tripping hazards and mechanical snagging.
- **Pre-Installed Lithium-Ion Battery:** Ships complete with 1 rechargeable Li-ion battery for immediate deployment out of the box.

DIMENSIONAL SCHEMATIC



- **Road & Highway Safety:** Construction zones, temporary lane hazard warnings, and road barricades.
- **Industrial Facilities:** Perimeter delineation, equipment warning zones, and emergency walkways.
- **Architectural & Decking:** Flush ground lighting for commercial walkways and outdoor steps.

* Profile Depth (Width): 2.5 in (6.35 cm)

INSTALLATION & MAINTENANCE GUIDELINES

1. Initial Deployment & Charging

Before first use, place the unit in direct sunlight for a minimum of 6–8 hours to fully charge the integrated Lithium-Ion battery. Ensure the solar collector panel is free from protective films or packaging materials.

2. Flush Mounting Procedure

Align the rectangular housing onto a flat surface. Secure using stainless steel mounting hardware through the designated flush-mount screw openings. Do not overtighten to protect the plastic casing.

3. Automatic Flashing Operation

The built-in photosensor automatically activates the red LED flashing mode at dusk/low light ambient levels and deactivates charging mode during daylight hours.

4. Waterproofing & Cleaning

Periodically wipe the top solar lens with a damp soft cloth to remove dust or debris. The impact-resistant plastic body is fully sealed to maintain waterproof integrity.

Notice: Specifications are subject to change without prior notice for product improvement. This product is backed by a 1-Year Limited Manufacturer Warranty covering defects in materials and workmanship.