TECHNICAL PRODUCT SPECIFICATION

8" Solar LED Flashing Light

High-Visibility Autonomous Traffic & Hazard Warning Beacon

MODEL: SFL-800 Series

> 2,500 Feet	5 - 7 Days	12V / 14 Ah	18 Months
VISIBLE DISTANCE	AUTONOMY / FULL CHARGE	LITHIUM BATTERY	FACTORY WARRANTY

TECHNICAL SPECIFICATIONS

Light Source	10W High-Intensity LED Module
Housing Material	Impact-Resistant ABS Plastic Shell
Solar Charging Panel	12V, 8W Monocrystalline Silicon Panel
Battery Type	High-Capacity Lithium Battery (12V / 14000mAh)
Battery Lifespan	3 - 5 Years
Color Range	Amber (Red available on special request)
Light Dimensions	8-Inch (203 mm) Diameter Round Lens Module
Visible Range	> 2,500 feet (> 760 meters)
Flashing Rate	50 flashes per minute (Customizable upon request)
Working Autonomy	5 - 7 consecutive days on a single full charge
Working Modes	• 24-Hour Continuous Operation • Selectable Flashing or Constant Illumination • Optional Timer Functionality
Warranty	18 Months Limited Manufacturer Warranty

KEY FEATURES

- **High Efficiency Solar Charging:** Integrated 12V/8W monocrystalline silicon solar panel ensures optimal charging even under low ambient sunlight.
- **Durable ABS Housing:** Constructed from tough ABS plastic, designed to withstand weather exposure, corrosion, and harsh outdoor environments.
- **Extended Autonomy:** Powered by a premium 14,000mAh lithium battery, supporting up to 7 consecutive days of continuous operation without recharging.
- **Versatile Operation:** Supports both 24/7 continuous and custom timer modes, with simple switching between flashing and steady-on states.

APPLICATIONS

- Highway & Construction Zones
- Road Maintenance Hazards
- Industrial Work Sites
- Port & Marine Docks
- Emergency Traffic Control
- Perimeter & Gate Warning

Customization Options Available

Custom flash frequency (standard 50 FPM), red light color output, and advanced timer options can be tailored upon request to meet regional road safety regulations.

Disclaimer & Product Compliance: Specifications are subject to continuous engineering improvements and subtle changes without prior notice. Testing parameters based on standard solar irradiance conditions (1000 W/m², AM 1.5, 25°C). Ensure proper positioning toward daylight for optimal battery charging efficiency.