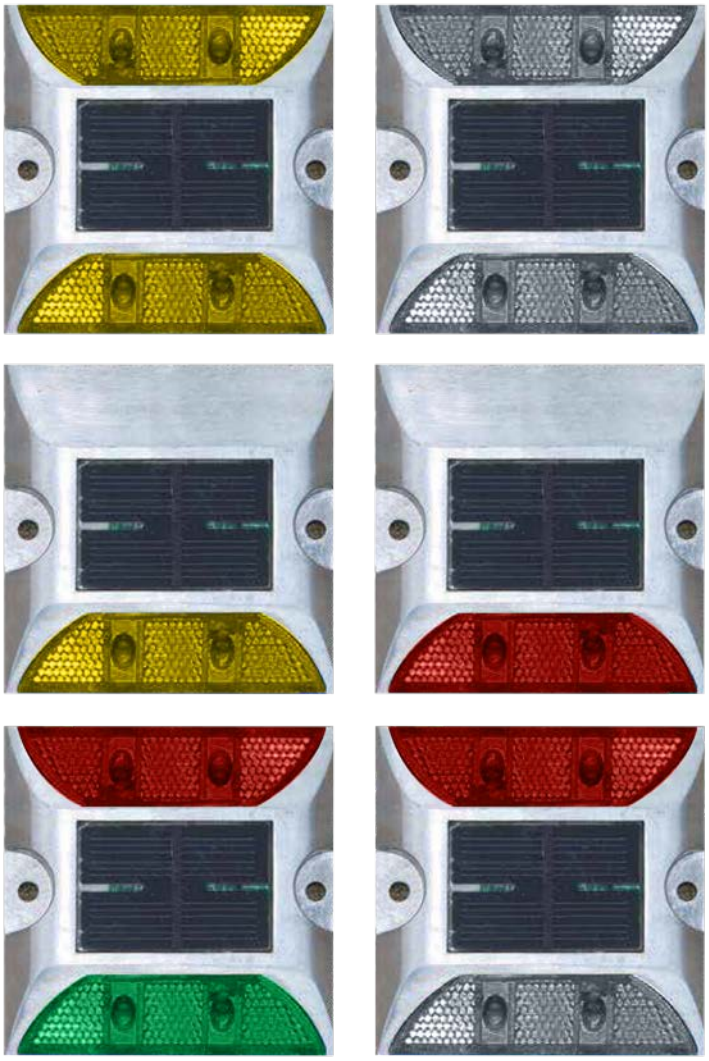
Solar LED Semiflush Reflective Markers



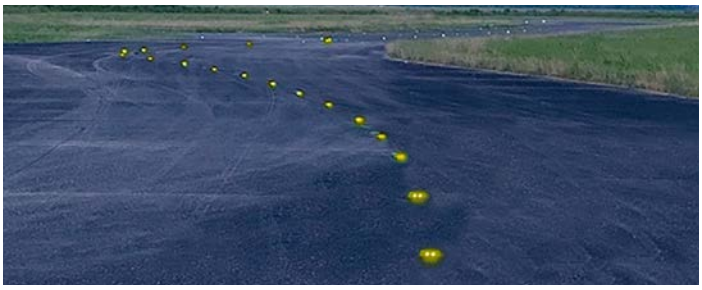
Compliance
- IP68 Ingress Protection

Applications
Solar LED Semiflush Reflective Markers are used to delineate roadway curves, roundabouts, pedestrian paths, and school zones for visual recognition.

- Roadway curves & roundabouts
- School zones & mid-block crosswalks
- Pedestrian & bike paths
- Bridge toll booths: Lane guidance
- Freeway exit ramps: Wrong-way warning
- Parking lots: Directional & stop bars

Features
- Highly visible at night and under adverse weather conditions
- Semiflush snowplow-safe design
- Aluminum alloy fixture rated for 25 tons PSI
- High brightness LEDs (5mm diameter)
- Visible over 1/2 mile (800m) away
- Flashing or constant mode
- LEDs operate all night (dusk to dawn)
- Integrated reflective section enhances visibility
- IP68 water and dust resistant
- Maintenance free
- Designed to operate in extreme temperatures
- Easy installation with optional thermoplastic adhesive pad

Specifications
- Battery Type: Anti-heat NiMH (2.4V/600mA)
- Operating Hours: 24 to 30 hours after fully charged
- Battery Charge Time: 4 hours of sunlight
- Battery Lifespan: 3 to 5 years
- Solar Panel: Monocrystalline (4V/63mA)
- Mounting Surfaces: Asphalt, concrete, turf, or dirt
- Fixture Dimensions: 4" x 4" x .75" (102 x 102 x 20mm)



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Thermoplastic Adhesive Pad Installation Instructions

The optional adhesive pads are a non-toxic, zero VOC, performance thermoplastic adhesive designed to adhere markers to concrete or asphalt. When heated with a propane torch, the pad liquefies and fuses the marker to the pavement surface.

Required Equipment:

- Propane-fueled torch (Gas Pony or equivalent) with 25 ft hose
- Adequate propane supply
- Safety glasses (or face shield), protective gloves, leather boots, long pants

Storage and Handling:

- Store adhesive pads indoors in a dry location at 35°F to 90°F (2°C to 32°C) and keep them dry prior to installation.
- Avoid dropping or throwing adhesive pads when ambient temperatures are below 50°F (10°C), as the material becomes less flexible and may crack.

Surface Requirements:

- Asphalt and concrete pavement
- Specialty paving surfaces such as brick, cobblestone, or stepping stones
- Adhesive pads may also be installed over existing adhesive pads when the surface is clean and stable.

The pavement surface must be:

- Free of dirt, dust, sand, debris, oils or chemical contamination
- Completely dry prior to installation. If moisture is present, the installation area must be dried using the propane torch before placing the adhesive pad.

Propane Cylinder Safety:

- Propane cylinders must always be operated in the upright position with the valve at the top.
- Never lay the propane cylinder on its side, as this may allow liquid propane to enter the torch, creating a hazardous condition.

Installation Procedure:

Step 1 – Surface Preparation

- Clean the installation area thoroughly. Remove all loose material including dust, sand, and debris.
- A power blower may be used to clear the surface. The propane torch may also be briefly used to blow debris away from the application area.

Step 2 – Remove Surface Moisture

- Ensure the pavement surface is completely dry. Surface moisture may not always be visible.
- Use the propane torch to heat and dry the installation area if necessary.

Step 3 – Position Adhesive Pad

- Set the adhesive pad in the desired location on the pavement surface.

Step 4 – Heat Adhesive Pad

- Stand with the wind at your back so heat is directed away from the operator.
- Using the propane torch, move the flame slowly and evenly across the adhesive pad. Continue heating until the pad becomes soft and molten, allowing it to spread slightly.
- The adhesive pad must reach its melting temperature to achieve proper bonding with the pavement surface.

Step 5 – Install Marker

- Immediately after the adhesive pad becomes molten, place the marker onto the adhesive using a gloved hand.
- Apply gentle pressure to seat the marker into the adhesive pad.
- Do not press the marker directly against the pavement surface. Maintain a thin layer of adhesive between the marker and the pavement.
- The molten adhesive should flow into the recessed cavities on the underside of the marker, and flow through the anchor holes on both sides of the marker. This creates a mechanical bond that secures the fixture to the pavement.

Step 6 – Cooling

- Allow the adhesive pad to cool and solidify. Under normal conditions, the adhesive will set within a few minutes.

Ordering Codes

Product Code	LED Color Combination (Side 1 / Side 2)
SL-L853T1	**BB:** Blue/Blue **GG:** Green/Green **WW:** White/White **YY:** Yellow/Yellow **GY:** Green/Yellow **RG:** Red/Green **RW:** Red/White **RY:** Red/Yellow **BX:** Blue/Blank **GX:** Green/Blank **RX:** Red/Blank **WX:** White/Blank **YX:** Yellow/Blank

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