



APEX SOLAR LED RETROREFLECTIVE MARKER

Key Features:

- Combine solar-powered LED illumination with passive retroreflector illumination
- High visibility LED illuminate up to 72 hours after full charge
- Built tough to withstand loads up to 10 tons

Technical Specifications:

- Solar Cell Type: monocrystalline
- LED Type: T-1 ¾ ultra-bright 5000 mcd (available in white, amber, red, blue, or green)
- Body Material: aluminum alloy or fiberglass reinforced plastic (available in white or amber)
- Reflective Lens Material: PMMA
- Potting Material: epoxy
- Reflective Lens Colors (available in clear, amber, red, blue, or green)
- Battery Type: lithium ion
- Illumination after full charge (up to 72 hours flashing, 48 hours steady)
- Illumination Mode: flashing (approx. 1 Hz) or steady, one-way or two-way
- Visible Distance: over 1000 ft. (300 m)
- Compressive Strength: over 22000 lb. (10 ton)
- Waterproof rating: IP68
- Working Temperature Range: -4° F to 158° F (-20° C to +70° C)
- Recommended Application: edge line
- Lifespan: 3 years
- Warranty: 1 year
- Dimensions (nominal): 4 1/8" x 4 1/8" x 1" (105 mm x 105 mm x 25 mm)
- Weight (nominal): Aluminum 0.90 lb. (400 g), Plastic 0.62 lb. (280 g)

Installation Procedures:

- Identify the place and distance for installation and clean road surface
- Clean the bottom of the solar stud and use bituminous or epoxy to adhere to the ground
- If using epoxy adhesive, follow manufacturer instruction for full cure before exposing marker to traffic

Caution: Not recommended for central lane application