

# Urban Solar Inset Pathway Marker



Urban Solar provides the **Inset Pathway Marker (IPM)** as the perfect eco-friendly solution for illuminating parks, pathways, trails and more.

The Inset Pathway Marker (IPM) by Urban Solar is a fully self-contained solar pathway marker that allows for safe use of pedestrian and multi-use pathways from dusk until dawn. The IPM sits flush with a concrete pathway surface, allowing for trip-free use by pedestrians, skateboards, bicycles, and other pathway users. Each IPM is manufactured from virtually-indestructible cast aluminum, with a shatter-resistant polycarbonate cover that stands up to buses, snow-plows and other heavy vehicles.

The Urban Solar IPM will be installed along the entire length of the 40+ mile Coachella Valley Link, the longest paved multi-use pathway in North America.



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# Urban Solar

## Inset Pathway Marker



### Applications

- Pedestrian pathways
- Multi-use trails
- Bikeways
- Lane delineation
- Visibility in inclement weather
- Docks
- Harbors
- Stairways
- Rural Roads

### Benefits

- Pathway and road illumination safety
- Minimal visual clutter with great daytime appearance
- No electrical design or wire install costs
- No ongoing carbon emissions
- No regular maintenance
- Immune from power outages
- No ongoing electricity costs



### Specifications

#### Performance

- Charging time: 3 hours / 8 hours cloudy
- Operating time: 16+ hours
- Cycles (days): 100,000
- Expected life: 10+ years

#### General

- Warranty: 3 year full replacement
- Lens construction: UV stabilized polycarbonate
- Housing: 380 cast aluminum
- Water proof rating: IP68
- Operating temperature: -13°F to 158°F
- Dimensions (in):  $\varnothing$  6.02" x 2.09"
- Weight (lbs): 2.23#
- Certifications: CE, Compressive Load (53,775 lbf), IP68, ISO 9001

#### Solar

- Module size (in): 82" x 82"
- Maximum output power: 0.693W
- Operating current: 140mA
- Voltage: 4.95V

#### LED

- LED size: 3528 chip LED +  $\varnothing$ 10 lens
- Current: 20mA per each
- Operating current: 10mA (3pcs), 20mA ( )
- Voltage: 3V
- Wattage: 30mW (3pcs), 60mW (6pcs)
- Quantities: 3 pieces, 6 pieces
- LED colors: red, orange, green, blue, white, warm white
- Lighting profile: constant, flashing

#### Storage

- Pseudocapacitor: 2.3V, 120F (LiFeP04 3.7V, 2600mAh battery in Ultra Bright model)

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