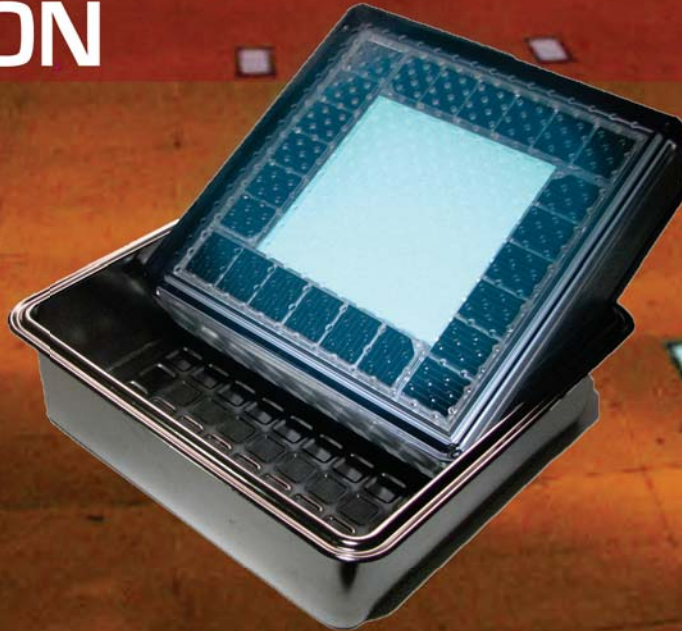
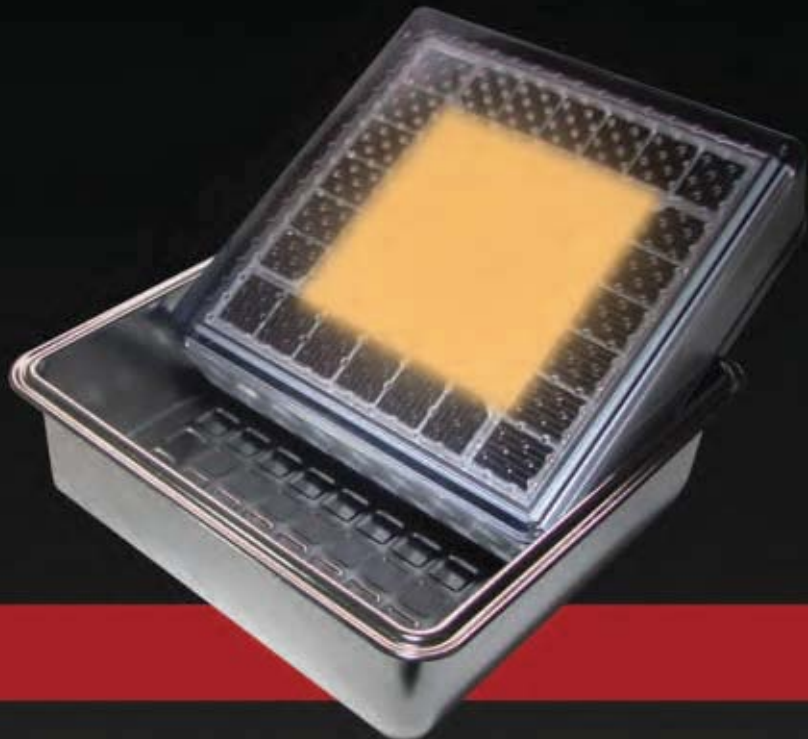


MS - 2200 SPECIFICATION





Revolutionary solar powered MS - 2200 brick

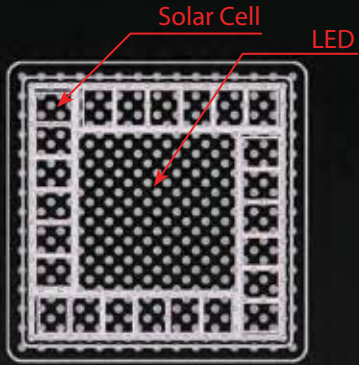
Feature

The Solar Energy Lighting Brick system consists of a modular, self contained lighting device that can be used for decorative or traffic flow purposes, powered only by solar energy.

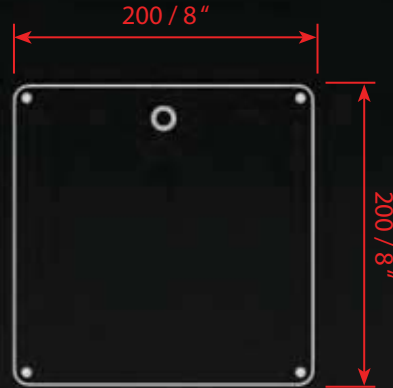
Light-Emitting Diode (LED) Solar Energy Lighting Bricks are changing the future of lighting signals. The application of LED technology is fast gaining popularity and replacing the conventional incandescent light bulbs in existing lighting signals.

At Solar Markers Co., we have strive to create, develop and manufacture high brightness, low power consumption LEDs. The result is our energy and cost efficient: MS-2200 series of Solar Lighting Bricks.

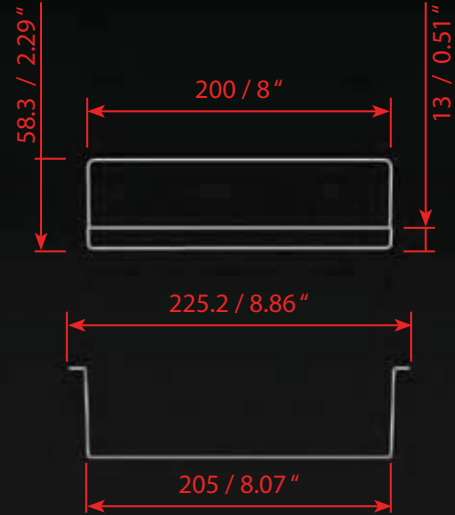
Our LED Solar Energy Lighting Brick system modules consumes only a tenth of the energy when used by incandescent light bulbs and have an operating life of up to 15 years, lowering overall operating and maintenance costs by as much as 100 %. Our modules are designed to fit into the existing road / street bricks, retrofit, replacements for incandescent. All internal LED and electronic components are assured to withstand mechanical shock resistance and vibration.



Body TOP VIEW



Body BOTTOM VIEW

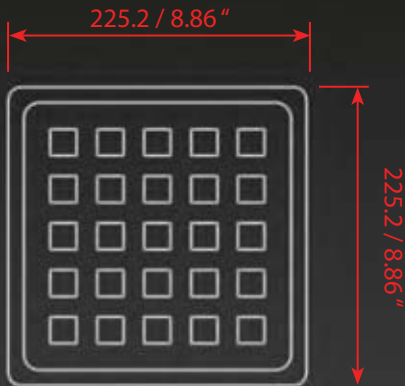


Body SIDE VIEW

Stainless Steel Case SIDE VIEW

Specification I

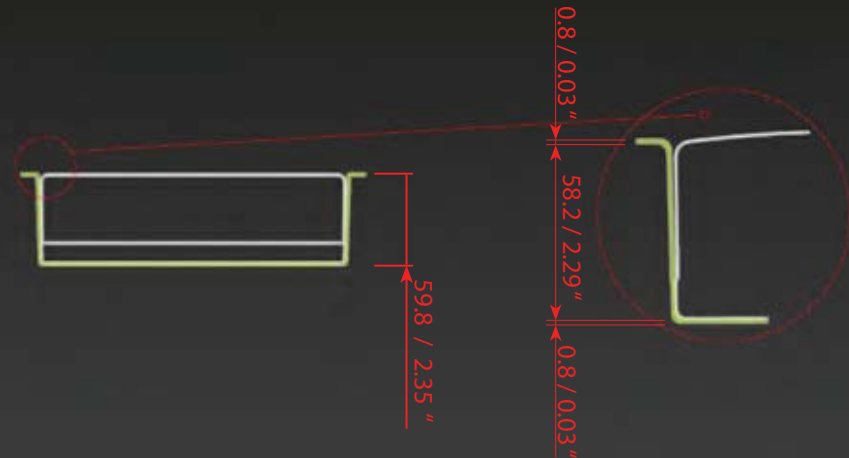
Unit in millimeter

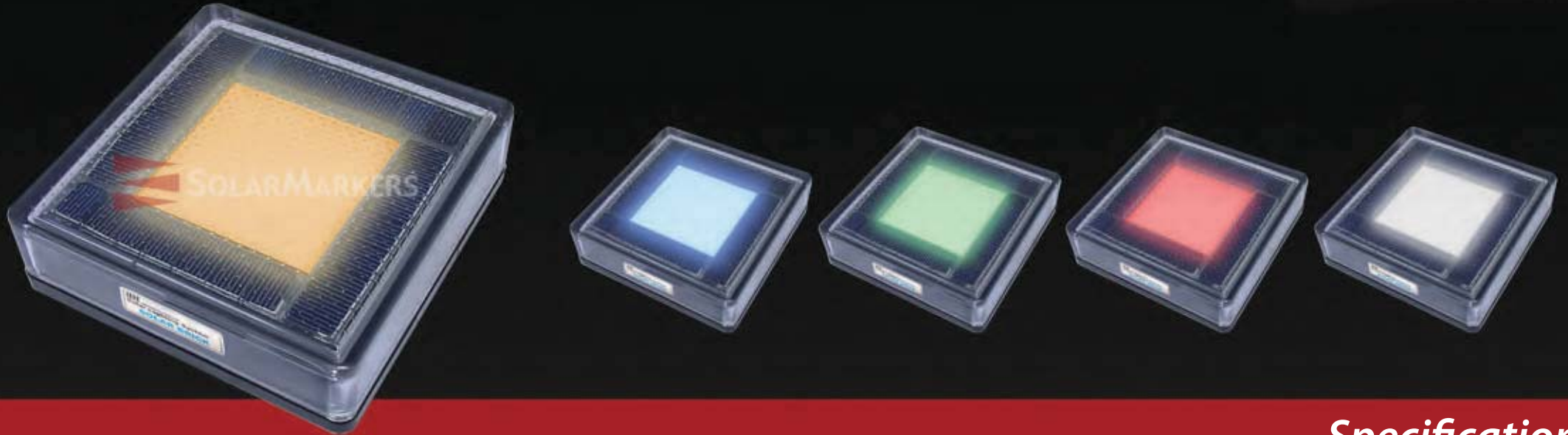


Stainless Steel Case TOP VIEW



Stainless Steel Case BOTTOM VIEW





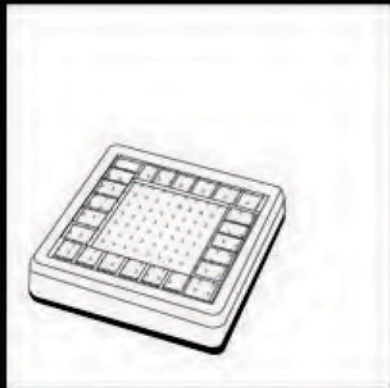
Specification II

Technology	Diode of Emission of High Intensity
Dimensions	8 x 8 x 2 3/8" (20 x 20 x 6cm) / (W x D x H)
Weight	3.51 lbs / 1.8 Kg
IP Rating	IP 68
Tensile Strength	9,100 PSI (63 MPA)
Compressive Strength	12,500 PSI (86 MPA)
Shear Strength	60,000 PSI (41 MPA)
Hardness	118 HRR
Fatigue Limit, 1M Cycle	4,400 PSI (30 MPA)
Cold Water Absorption	0.15 %
Color	Amber / Red / White / Blue / Green / RGB 7

Temp. Operation	- 40 °C to 70 °C / - 40 °F to 158 °F
Solar Cell	Single Crystalline Solar Cell
Storage / Type	LiFe4 (Lithium Iron 4) Battery
	3.2 V / 600 mA/h
Material	Clear Poly-carbonate
Power Consumption	None
Life	Reliable Performance & Long Life (Min. 10 Years)
Maintenance Cost	Savings up to 100 %
Colors Visibility	Superb Brightness
Effect on the environment	None

A wide-angle photograph of a wooden deck with a dark brown railing. The deck is made of horizontal wooden planks. In the background, a red lighthouse is visible on a hill, and a body of water is to the right. The sky is blue with some clouds. A red banner with white text is overlaid on the left side of the image.

Installation Procedure



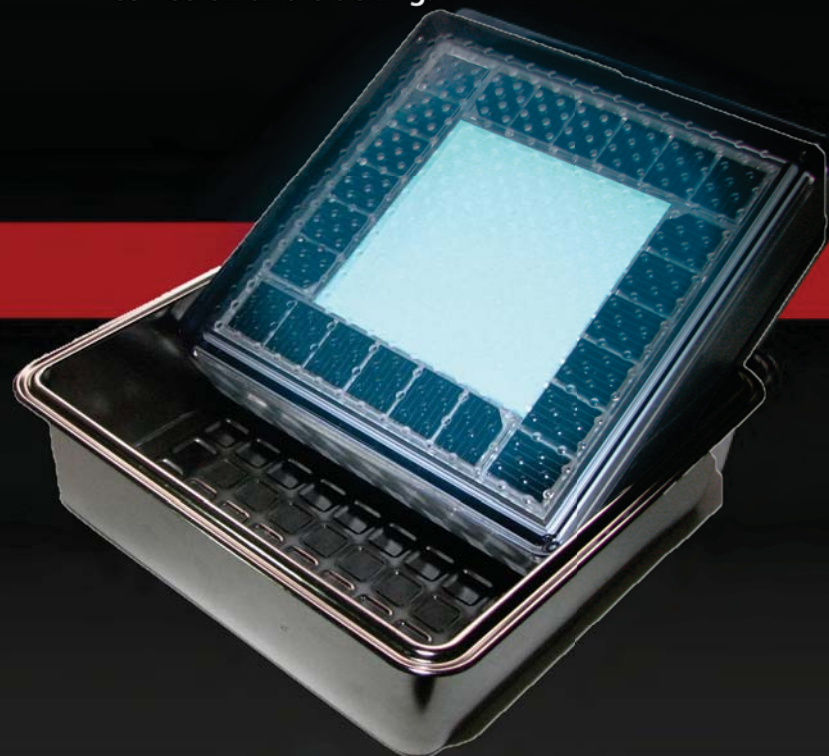
Prepare MS-2200 Solar Marker for installation

Optional stainless steel installation case recommended to reduce chemical corrosion and cracking.

STEP I

Easy To Install;

- Remove Bar Magnet switch prior to installation
- Similar to standard paving bricks in both mortarless and mortared installations.
- Mounting flanges prevent unauthorized removal after installation.
- Expansion lugs on each side surface protect the brick from abrasion and pressure caused by temperature shifts or other environmental factors





Measure and cut installation hole that is slightly larger than MS 2200 to allow even distribution of mortar or epoxy adhesive.

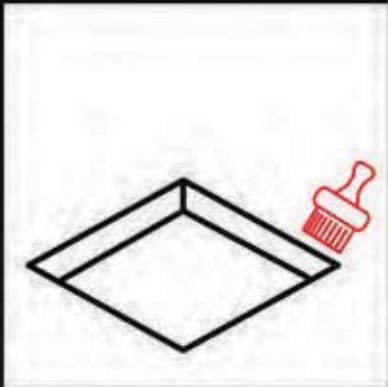


STEP II

Use tools to clear the hole

Inspect the installation hole to insure level, flush and square opening and proper width and depth were achieved.





Remove all debris from the installation hole.



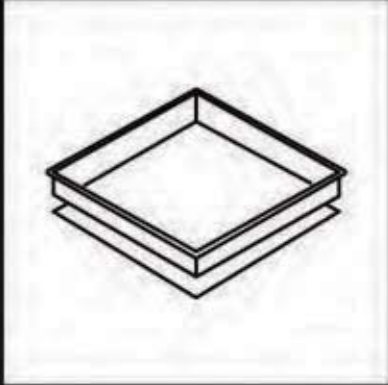
STEP III



Prior to installing the stainless steel case into the installation hole, insure the hole has adequate space for even distribution of mortar or epoxy adhesive.

Add appropriate amount of mortar or epoxy adhesive.

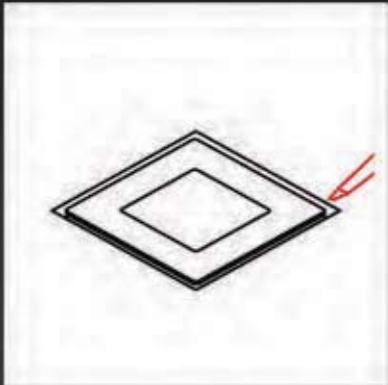




Place stainless steel case properly into the installation hole.

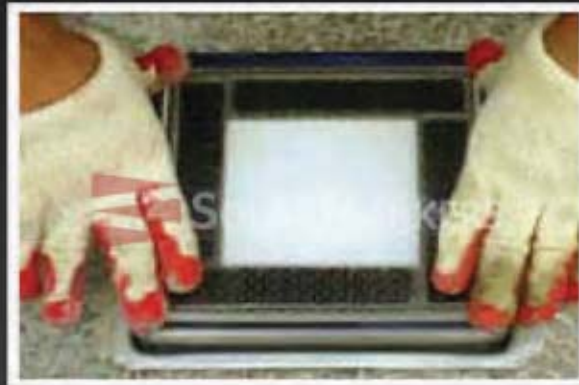


STEP IV

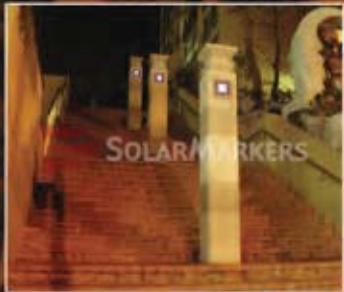


Insure the mortar or epoxy adhesive is evenly distributed in the installation hole and correctly adhering to the Solar Marker.

Inspect the final installation of the MS-2200 to insure the solar marker is firmly installed and not floating above the installation hole.



Light Temptation





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LIGHT TEMPTATION