

SolaTile I engages a photovoltaic array laid in a perimeter-style orientation along the edges of the tile surface. The square enclosure centers on an opaque diffusive plane, through which colors are horizontally diffused. The effect is the creation of small square pools of light.

SolaTile I continues to exceed expectations many years after its initial development. Used in residential, public, commercial, and industrial design, the unit has weathered all environments faultlessly. It is an original, dependable, and unique addition to any lighting design.



Uses and Applications

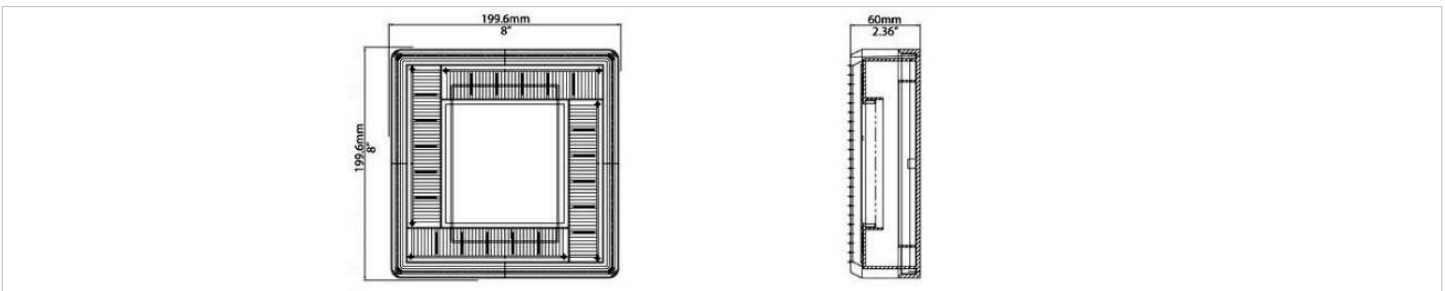
- Driveways
- Landscaping
- Pool decks
- Pool bottoms
- Patios
- Fountains
- Walkways
- Boardwalks
- Pavers
- Stairways
- Building exteriors
- And many more...

Technical Specifications

Operation	
Solar panel type	Mono-Crystalline
Illumination technology	Ultra-bright LEDs
Energy storage	Ultra-Capacitors
Charging time	2 Hours (sunny) to 8 Hours (cloudy or rainy)
Operation at full charge	Up to 16 hours
Colors	Red, Green, Blue, Orange, Amber, White
Operating temperature	140 °F to -13 °F / 60 °C to -25 °C
Automatic On/Off level	150 lux - 350 lux

Lighting Properties						
Color	Luminance (Nit)		Illuminance (Lux)		Uniformity	
Red	6.0	5.7	18.8	17.9	80%	75%
Green	15.0	14.3	47.1	44.7	75%	70%
Blue	4.1	3.9	12.2	12.2	80%	75%
Orange	5.5	5.2	16.3	16.3	80%	75%
Amber	3.0	2.8	8.8	8.8	80%	75%
White	11.5	10.9	34.2	34.2	80%	75%

Material and Design	
Case Material	UV-Treated polycarbonate (main body) ABS (bottom cover)
Available Sizes	Square - 8"W x 8"L x 2.36"H Rectangular - 4"W x 8"L x 2.36"H
Weight	Square - 5.9lbs / 2.7kg Rectangular - 2.2lbs / 1kg
Modulus of rupture	21.8 N/m ² (=222 kgf/cm ²)
Compressive strength	2.74 N/m ² (=28 kgf/cm ²)
Breaking load	34.888 N (=3.560 kgf)
Waterproof	IP 68 - 100% (submersible)



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