



Where solar innovations **come to light!**™



Solar



## SolaTile I

The LightDeco series is a technology that exists at the crossroads between elegance and sustainability. At heart of its enhanced performance lies a bridge between three revolutionary green technologies.

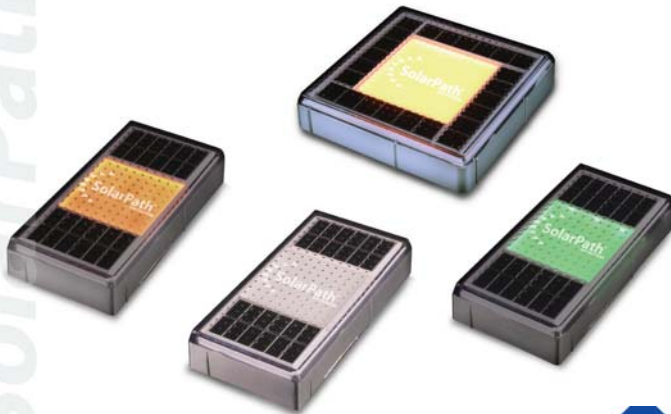
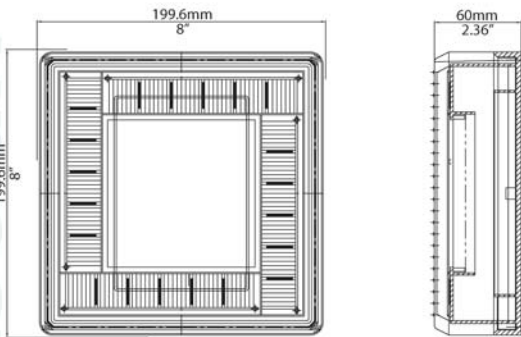


# SolaTile I

SolaTile I is the first generation of SolarPath Sun Solutions' light emitting tiles.

This member of the LightDeco family 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.



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

SolaTile I Technical Specifications						
<b>Operations</b>						
Solar panel type	Mono-crystalline					
Illumination technology	Ultra-bright LEDs					
Energy storage	Ultra-capacitors					
Charging time	2 (sunny day) to 8 (cloudy day) Hours					
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					
<b>Lighting Properties</b>						
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%
<b>Material and Design</b>						
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/mm <sup>2</sup> (=222 kgf/cm <sup>2</sup> )					
Compressive strength	2.74 N/mm <sup>2</sup> (=28 kgf/cm <sup>2</sup> )					
Breaking load	34.888 N (=3.560 kgf)					
Waterproof	IP 68 - 100% (submersible)					