

# Specifications Sheet

## Solar Tile Series

**Model: NST0808**

### Overview & Applications

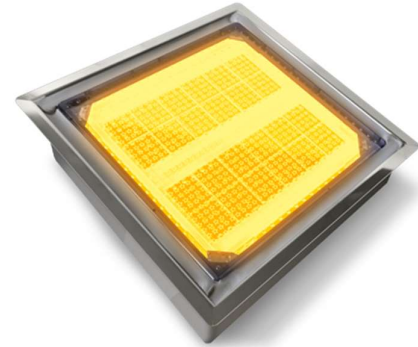
SolarCap NST0808 is 200mm x 200mm paver light. A very popular model because it is larger and brighter due to its size. It can be custom imprinted as well. A great option for complexes, walls, parks, sidewalks, patios, walking and bike trails, driveways, playgrounds, pools, steps, tops or sides

### Dimension & Weight

Dimension: 222mm x 222mm x 61mm  
 Weight: 3.0 kg  
 SUS Case Material: SUS 304-2B  
 SUS Case Thickness: 0.8t

### Physical Properties

Modulus of Rupture: 13.6N/mm<sup>2</sup>  
 Compressive Strength: 198,781 N  
 Ingress Protection: IP68  
 Operating Temperature: -40°C to +70°C  
 Operating Time: >12 hrs  
 Onset Point: 150 - 350 LUX  
 Charging Time: 3hrs (sunny day) to 8hrs (cloudy day)



### Lighting Properties

Model	Mode Type	Colour	*Luminance (cd/m <sup>2</sup> )			**Uniformity	Remarks
			Average	Minimum	Maximum		
NST0808	Continuous	Red	4.20	3.73	4.82	77%	* Luminance measurement is an average of centre luminance of the lighting area  ** Uniformity is obtained by dividing minimum luminance by maximum luminance from centre measurement
		Green	11.1	10.27	12.20	84%	
		Blue	1.40	1.25	1.62	77%	
		Orange	5.40	4.88	6.27	78%	
		Amber	4.30	3.57	4.82	74%	
		White	17.80	16.43	19.26	80%	

Mode Types: Continuous & RGB

### Components

Mono Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	151mm x 151mm 5.577W 818mA 3.15V
LED	LED Size LED Current LED Operating Current  LED Voltage LED Wattage LED Quantities	Nichia 3.5mm x 2.8mm chip LED 20mA each R/O/A Colours: 10.9mA, B/G Colours: 6.8mA, W Colour: 8.2mA R/Y/O Colours: 2.5V, B/W/G Colours: 4.0V R/Y/O/B/G Colours: 2.7mW, W Colour: 3.3mW 4 LED
Energy Storage	EnergyCache Pseudocapacitor	R/G/B/Y/O Colours: 5 x 2.3V 120 Farad W Colour: 6 x 2.3V 120 Farad
Housing Construction	High impact poly-carbonate top-cover (Samyang, 3022-IR-01) High impact poly-carbonate bottom-cover (Samyang, 3025 R)	
Electronic Controller	M/P: Seiko, AUK, ON Semi, LED PCB	
Country of Origin	South Korea	

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