

Specifications Sheet

Solar Tile Series

Model: NST0408

Overview & Applications

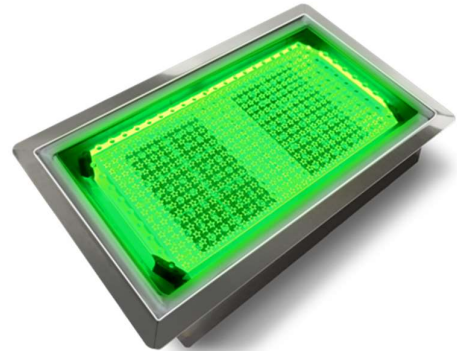
SolarCap NST0408 rectangular paver lights is another popular model because of its size, made to fit nicely with bricks and other paver stones. Their flat surface and sturdy materials make them ideal for areas frequented by pedestrians and cyclists. It can be custom imprinted as well like other NST models. A great option for parks, sidewalks, patios, walking and bike trails, driveways, playgrounds, pools, steps, tops or sides

Dimension & Weight

Dimension: 224mm x 123mm x 61mm
 Weight: 1.70 kg
 SUS Case Material: SUS 304-2B
 SUS Case Thickness: 0.8t

Physical Properties

Compressive Strength: 36,187 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 ²)			**Uniformity	Remarks
			Average	Minimum	Maximum		
NST0408	Continuous	Red	4.70	4.35	5.12	85%	* 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	18.20	15.95	22.00	73%	
		Blue	1.60	1.38	2.00	70%	
		Orange	4.90	4.54	5.35	85%	
		Amber	5.10	4.19	5.87	71%	
		White	21.10	16.91	26.40	64%	

Mode Types: Continuous & RGB

Components

Mono Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	79mm x 165mm 1.263W 401mA 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: 6.5mA, B/W/G Colours: 5.4mA R/O/A Colours: 2.5V, B/W/G Colours: 4.0V R/O/A Colours: 1.6mW, B/W/G Colours: 2.2mW 4 LED
Energy Storage	EnergyCache Pseudocapacitor	R/O/A Colours: 3 x 2.3V 120 Farad B/W/G Colour: 4 x 2.3V 120 Farad
Housing Construction	High impact poly-carbonate top-cover (Sabic Korea, 141R-S1587) High impact poly-carbonate bottom-cover (LG Chem, LUPOY HI1002ML)	
Electronic Controller	M/P: Seiko, AUK, ON Semi, LED PCB	
Country of Origin	South Korea	

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