

Specifications Sheet

Solar Tile Series

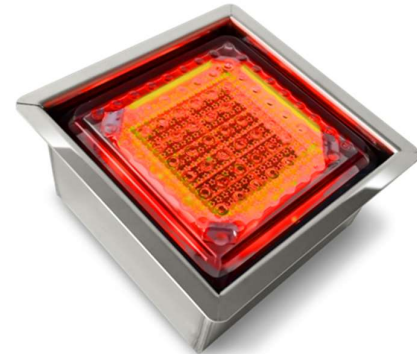
Model: NST0404

Overview & Applications

SolarCap NST0404 with its 100mm square design is aesthetically pleasing to the eyes with individual preference on shape and well suited for many applications. It can be custom imprinted as well like other NST models. Similarly, with many colour options, it is great for sidewalks, patios, walking and bike trails, driveways, playgrounds, pools, steps, tops or sides

Dimension & Weight

Dimension: 118mm x 118mm x 61mm
 Weight: 820 g
 SUS Case Material: SUS 304-2B
 SUS Case Thickness: 0.8t



Physical Properties

Compressive Strength: 69,872 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		
NST0404	Continuous	Red	6.15	5.45	6.65	82%	* 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	10.89	9.75	11.60	84%	
		Blue	1.19	1.06	1.28	83%	
		Orange	6.84	6.08	7.16	85%	
		Amber	4.45	3.98	4.80	83%	
		White	10.92	9.87	11.60	85%	
Mode Types: Continuous & RGB							

Components

Mono Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	56mm x 56mm 0.33W 105mA 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: 1.8mA, B/W/G Colours: 1.1mA R/O/A Colours: 2.5V, B/W/G Colours: 4.0V 0.004W 4 LED
Energy Storage	EnergyCache Pseudocapacitor	2 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	

Sole Distributor:
 CorePlan International
 81 Ubi Avenue 4, UB One #03-16
 Singapore 408830
 Tel: +65-6538 2921
 Fax: +65-6538 2927
 Email: sales@coreplan.com.sg
www.coreplan.com.sg

