

# NST Series 4" x 4" Solar Tile



## Product Number and Description

Item 1876 NST 4" x 4" Solar Tile

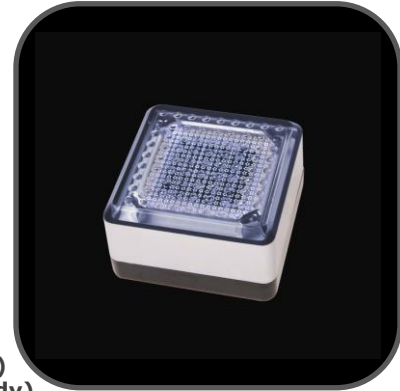
## Dimensions and Weight

Size: 99 mm x 99 mm x 60 mm Weight: 650 g

## Physical Properties

Modulus of Rupture: -  
 Compressive Strength: 69,872 N  
 Breaking Load: -  
 Water Proof: IP68  
 Operating Temperature: -40°C to +70°C  
 Onset Point: 150 – 350 LUX

Operating Time: 20+ hours  
 Charging Time: 5 hrs. (sunny)  
 15 hrs. (cloudy)



## Basic Components & Lighting Properties

Single Crystalline Solar Cell	Solar Maximum Output Power Solar Operating Current Solar Voltage	0.26W 90mA 2.98V
LED	LED Quantity & Size LED Current & Operating Current LED Voltage LED Wattage	4 Units @ 3.5x2.8mm chip type 20mA/each & 1.1-1.8mA/each O,R,Y (2.5V) B,G,W (4.0V) 0.004W
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitors	2.3V 120F 2 Units
Polycarbonate Housing		
Electronic Controller		

Color	Luminance (Nit)			Illuminance (Lux)			Uniformity
	Avg.	Min.	Max.	Avg.	Min.	Max.	
Blue	8.90	8.10	9.70	27.95	25.40	30.50	84%
Green	5.10	4.60	5.60	16.01	14.40	17.60	82%
Orange	2.20	2.00	2.40	6.91	6.30	7.50	83%
Red	4.20	3.80	4.60	13.19	11.90	14.40	83%
White	9.10	8.40	9.80	28.57	26.40	30.80	86%
Yellow	3.10	2.80	3.40	9.73	8.80	10.70	82%

## NST Series Color Options



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