

NST Series 4" x 8" Solar Tile



Product Number and Description

Item 1877 NST 4" x 8" Solar Tile

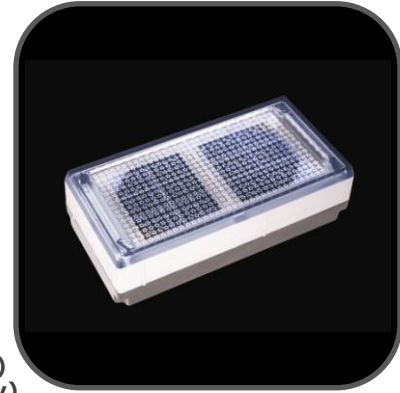
Dimensions and Weight

Size: 99 mm x 198 mm x 60 mm Weight: 1.0 kg

Physical Properties

Modulus of Rupture: 95 kgf/cm²
Compressive Strength: 9.1 kgf/cm²
Breaking Load: 1,518 kgf
Water Proof: IP68
Operating Temperature: -40°C to +70°C
Onset Point: 150 – 350 LUX

Operating Time: 12+ hours
Charging Time: 3 hrs. (sunny)
 8 hrs. (cloudy)



Basic Components & Lighting Properties

Single Crystalline Solar Cell	Solar Maximum Output Power Solar Operating Current Solar Voltage	1.17W 393mA 2.98V
LED	LED Quantity & Size LED Current & Operating Current LED Voltage LED Wattage	4 Units @ 3.5x2.8mm chip type 20mA/each & 1.8mA/each O,R,Y (2.5V) B,G,W (4.0V) O,R,Y(0.0018W) B,G,W(0.0028W)
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitors	2.3V 120F B,G,O,R,Y(3 Units) W (4 Units)
Polycarbonate Housing		
Electronic Controller		

Color	Luminance (Nit)			Illuminance (Lux)			Uniformity
	Avg.	Min.	Max.	Avg.	Min.	Max.	
Blue	14.10	11.60	16.60	44.27	36.40	52.10	70%
Green	11.45	9.10	13.80	35.95	28.60	43.30	66%
Orange	2.80	2.20	3.40	8.79	6.90	10.70	65%
Red	4.65	3.80	5.50	14.60	11.90	17.30	69%
White	14.80	12.20	17.40	46.47	38.30	54.60	70%
Yellow	4.20	3.10	5.30	13.19	9.70	16.60	58%

NST Series Color Options



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