

NST Series 8" x 8" Solar Tile



Product Number and Description

Item 1878 NST 8" x 8" Solar Tile

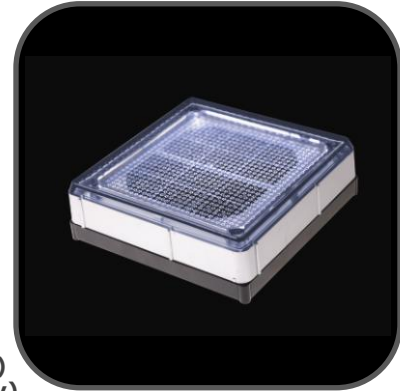
Dimensions and Weight

Size: 198 mm x 198 mm x 60 mm Weight: 2.8 kg

Physical Properties

Modulus of Rupture: 222 kgf/cm²
Compressive Strength: 28 kgf/cm²
Breaking Load: 2,555 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	2.34W 785mA 2.98V
LED	LED Quantity & Size LED Current & Operating Current LED Voltage LED Wattage	4 Units @ 3.5x2.8mm chip type 20mA/each & 2.0mA/each O,R,Y (2.5V) B,G,W (4.0V) O,R,Y (0.02W) B,G,W (0.032W)
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitors	2.3V 120F B,G,O,R,Y(5 Units) W (6 Units)
Polycarbonate Housing		
Electronic Controller		

Color	Luminance (Nit)			Illuminance (Lux)			Uniformity
	Avg.	Min.	Max.	Avg.	Min.	Max.	
Blue	15.05	13.30	16.80	47.26	41.80	52.80	79%
Green	8.30	7.80	8.80	26.06	24.50	27.60	89%
Orange	2.85	2.60	3.10	8.95	8.20	9.70	84%
Red	5.20	4.70	5.70	16.33	14.80	17.90	82%
White	14.90	13.20	16.60	46.79	41.40	52.10	80%
Yellow	2.85	2.60	3.10	8.95	8.20	9.70	84%

NST Series Color Options



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