

NST Series 4" Round Solar Tile



Product Number and Description

Item 1875 NST 4" Round Solar Tile

Dimensions and Weight

Size: \varnothing 100 mm x 60 mm Weight: 2.8 kg

Physical Properties

Modulus of Rupture: -
 Compressive Strength: 62,135 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	11.25	8.80	13.70	35.33	27.60	43.00	64%
Green	6.00	4.70	7.30	18.84	14.80	22.90	64%
Orange	3.10	2.30	3.90	9.73	7.20	12.20	59%
Red	4.40	3.20	5.60	13.82	10.00	17.60	57%
White	7.55	6.30	8.80	23.71	19.80	27.60	72%
Yellow	3.85	3.00	4.70	12.09	9.40	14.80	64%

NST Series Color Options



Dimex LLC

28305 State Route 7
 Marietta, OH 45750
www.edgepro.com

Phone: 740-374-3100
 Toll Free: 800-334-3776
 Fax: 740-374-5420