

# YH Series YS Road Marker

## Product Number and Description

Item 1890 YH-YS Solar Road Stud

## Dimensions and Weight

Size: 110 mm x 90 mm x 32 mm Weight: 380 g

## Physical Properties

Modulus of Rupture: 58 kgf/cm<sup>2</sup>  
 Compressive Strength: 24,517 N  
 Breaking Load: 878 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	0.298W 100mA 2.98V
LED	LED Quantity & Size LED Current & Operating Current LED Voltage LED Wattage	6 Units @ ø 10 (3.2V/20mA) 20mA/each & 1.1mA/each 3.0V 0.019W
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitors	2.3V 120F 1 Unit
Cast Aluminum Housing		
Electronic Controller		

Color	STEADY Luminance (Lux)			FLASHING Luminance (Lux)		
	Avg.	Min.	Max.	Avg.	Min.	Max.
Blue	54.8	51.3	58.3	22.1	20.8	23.3
Green	73.3	50.4	96.1	28.2	24.8	31.6
Red	20.7	13.5	27.8	41.7	36.2	47.2
White	52.9	48.3	57.5	26.8	25.1	28.5
Yellow	36.1	10.8	61.4	49.2	45.6	52.7

## NST Series Color Options

