

Specifications on YH-YS

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■ Dimensions and Weight

- Size 110 X 90 X 32 mm
- Weight 380 g

■ Physical Properties

- Modulus of Rupture 58 kgf/cm²
- Compressive Strength 5.8 kgf/cm²
- Breaking Load 878 kgf
- Water Proof IP68
- Operating Temperature -40°C to +70°C
- Operating Time more than 12 hours
- Onset Point 150 - 350 LUX
- Charging Time 3 (sunny) to 8 (cloudy and rainy)



■ Lighting Properties

Model	Type	Color	Luminance(Lux)		
			average	min	max
YH-YS1	Steady	Red	20.7	13.5	27.8
		Green	73.3	50.4	96.1
		Blue	54.8	51.3	58.3
		Yellow	36.1	10.8	61.4
		White	52.9	48.3	57.5
	Flashing	Red	41.7	36.2	47.2
		Green	28.2	24.8	31.6
		Blue	22.1	20.8	23.3
		Yellow	49.2	45.6	52.7
		White	26.8	25.1	28.5
YH-YS2	Steady	Red	7.8	6.7	8.8
		Green	29.3	25.6	33.0
		Blue	42.5	32.6	52.3
		Yellow	7.6	4.3	10.9
		White	46.4	28.9	63.9
	Flashing	Red	32.4	22.9	41.9
		Green	40.8	33.6	47.9
		Blue	32.2	31.4	32.9
		Yellow	46.2	40.3	52.0
		White	34.1	32.2	35.9

※ Luminance (cd/m²) measurement : The luminance of 9 points on the lighting area measured and averaged.

■ Basic Components

Single Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	52 x 48 0.298W 100mA 2.98V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	φ 10(3.2V/20mA) 20mA per each 1.1mA per each 3V 0.019W 3 pcs / 6 pcs
Pseudocapacitor	Pseudocapacitor Number ofPseudocapacitor	2.3V 120F 2 pcs
Poly Carbonate Housing		
Electronic Controller		

Colors

