

Specifications on SF-S200

Dimensions and Weight

SUSCASE Size..... 222mm x 222mm x 61mm
 Product Size..... 200mm x 200mm x 60mm
 Wing Size..... 11mm x 11mm
 Weight..... 3 kg
 SUS case Thickness.... 0.8t
 SUS case Material..... SUS 304 -2B



Physical Properties

Modulus of Rupture..... 13.6N/mm 2
 Compressive Strength..... 198,781 N
 Breaking Load..... 41,090 N
 Water Proof..... IP68
 Operating Temperature..... -40°C to +70°C
 Operating Time..... more than 12 hours
 Charging Time..... 3 (sunny) to 8 (cloudy and rainy)

Lighting Properties

Model	Color	Luminance(Lux)			Uniformity
		average	min	max	
SF-S200	Red	4.2	3.73	4.82	77%
	Green	11.1	10.27	12.2	84%
	Blue	1.4	1.25	1.62	77%
	Orange	5.4	4.88	6.27	78%
	Amber	4.3	3.57	4.82	74%
	White	17.8	16.43	19.26	80%

type : Continuous , Slow Flashing , RGB

* Illuminance(cd/m) measurement: The luminance of 9 points on the lighting area are measured and averaged.

* Uniformity is obtained by dividing minimum luminance by maximum luminance from 9 point measurements.

Basic Components

Single Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	151 x 151mm 2.577W 818mA 3.15V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	3.5x2.8mm chip type 20mA per each ROA(10.9mA), BG(6.8mA), W(8.2mA) R,O,A(2.5V) B,W,G(4.0V) R,O,A,B,G(0.027W) W(0.033W) 4 PCS
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitor	2.3V 120F R,G,B,O,A (5 EA) W(6 EA)
Poly Carbonate Housing	T/C (Samyang, 3022-IR-01),B/C (Samyang, 3025 R)	
Electronic Controller	M/P R,O,A,BG,W(Seiko,AUK,ON SEMI), LED PCB	

Colors

