

# Specifications on SF-R100

## Dimensions and Weight

SUS case Size.... 120Ø x 61mm

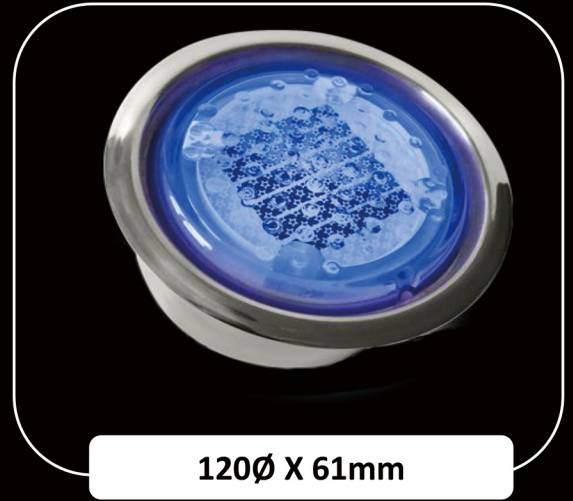
Product Size..... 100Ø x 60mm

Wing Size..... 10mm

Weight..... 880g

SUS case Thickness.... 0.8t

SUS case Material..... SUS 304-2B



## Physical Properties

Compressive Strength..... 62,135 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-R100	Red	6.41	5.72	6.76	85%
	Green	11.53	10.6	12.17	87%
	Blue	1.49	1.2	1.68	73%
	Orange	6.32	6.06	6.98	87%
	Amber	4.69	4.3	4.94	88%
	White	13.26	12.6	13.76	91%
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	46 x 47 mm 0.33W 105mA 3.15V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	3.5x2.8mm chip type 20mA per each R,O,A (1.8mA per each)B,W,G(1.1mA per each) ROA (2.5V) BWG (4V) 0.004W 4 pcs
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitor	2.3V 120F 2 pcs
Poly Carbonate Housing	T/C (Samyang, 3022-IR-01),B/C (Samyang, 3025 R)	
Electronic Controller	MAIN PCB ROA, BGW ( SEIKE, AUK, ON SEMI), LED PCB	

## Colors

