

Solatile Rigel 80™



Technical Specifications

Physical Properties

SUS Case Size	Ø3.7in x 1.8in
Product Size	Ø3.07in x 1.8in
Weight	0.88lbs
SUS case Thickness	.8t
SUS Case Material	SUS 30-2B
Compressive Strength	43,500 N
Water Proof	IP68
Operating Temperature	-40°F to +158°F
Operating Time	More than 12 hours
Onset Point	150-350 LUX
Charging Time	3 (sunny) 8 (cloudy and rainy)

Model	Color	Luminance(Lux)			Uniformity
		average	min	max	
Solatile Rigel 80*	Red	11.1	8.68	12.6	69%
	Green	89.88	70	118	59%
	Blue	9.71	7.29	12.08	60%
	YELLOW	19.04	15.6	23.2	67%
	White	82.5	66.6	103.5	64%
	Type: Continuous, Slow Flashing, Fast Flashing				

Single Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	2.08in x 2.04in 0.3666w 116.4mA 3.15V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	5ø LED 20mA per each 0.2mA x 5pcs R,Y,B,G,W (3v) 3,mw (5pcs) 5pcs
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitor	2.3V 120F 1pcs
Poly Carbonate Housing	T/C (L3) , B/C (LG)	
Electronic Controller	NST8 , MAIN PCB	



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

*Uniformity is obtained by dividing minimum luminance by maximum luminance from 5 point measurements.

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