

# Specifications Sheet

## Ground Flasher Series

**Model: GF80**

### Overview & Applications

SolarCap GF80 with a diameter of 80mm and 5 LEDs with many different mode types and colours is an ideal solution for outdoor lighting. It offers the beautiful ambiance of area lighting, but it's not too bright to ruin the elegance of the evening. Works well in areas such as water features, fountains, pathways, decks, steps, top or sides, walking and bike trails

### Dimension & Weight

Dimension: 96mm Ø x 45mm

Weight: 400 g

SUS Case Material: SUS 304-2B

SUS Case Thickness: 0.8t



### Physical Properties

Compressive Strength: 43,500 N

Ingress Protection: IP68

Operating Temperature: -40°C to +70°C

Operating Time: >12 hrs

Onset Point: 150 - 350 LUX

Charging Time: 3hrs (sunny day) to 8hrs (cloudy day)



### Lighting Properties

Model	Mode Type	Colour	*Luminance (cd/m <sup>2</sup> )			**Uniformity	Remarks
			Average	Minimum	Maximum		
GF80	Continuous	Red	11.1	8.68	12.60	69%	* Luminance measurement is an average of centre luminance of the lighting area  ** Uniformity is obtained by dividing minimum luminance by maximum luminance from centre measurement
		Green	89.88	70.00	118.00	59%	
		Blue	9.71	7.29	12.08	60%	
		Yellow	19.04	15.60	23.20	67%	
		White	82.50	66.60	103.50	64%	

Mode Types: Continuous, Slow Flashing & Fast Flashing

### Components

Mono Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	53mm x 52mm 0.3666W 116.40mA 3.15V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	Nichia 5mm Ø LED 20mA each 0.2mA each 3.0V 0.003W 5 LED
Energy Storage	EnergyCache Pseudocapacitor	1 x 2.3V 120 Farad
Housing Construction	High impact poly-carbonate top-cover (LG Chem) High impact poly-carbonate bottom-cover (LG Chem)	
Electronic Controller	LED PCB	
Country of Origin	South Korea	

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