

# Specifications Sheet

## Ground Flasher Series

**Model: GF50**

### Overview & Applications

SolarCap GF50 with a diameter of 50mm and single LED is ideal for applications where a smaller light is needed. Create an art with GF50 with different colours and mode types in combination. Possible applications such as pathways, walking and bike trails, parks, steps, decks, tops or sides.

### Dimension & Weight

Dimension: 67mm Ø x 25mm

Weight: 135 g

SUS Case Material: SUS 304-2B

SUS Case Thickness: 0.8t

### Physical Properties

Compressive Strength: 24,517 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		
GF50	Continuous	Red	20.19	17.20	26.60	65%	* Luminance measurement is an average of centre luminance of the lighting area
		Green	72.36	42.40	87.50	48%	
		Blue	1.97	1.54	2.23	69%	
		Yellow	25.48	18.49	30.60	60%	** Uniformity is obtained by dividing minimum luminance by maximum luminance from centre measurement
		White	41.30	31.50	53.10	59%	

Mode Types: Continuous, Slow Flashing & Fast Flashing

### Components

Mono Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	34mm x 26mm 0.0894W 30mA 2.98V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	Nichia 3mm Ø LED 20mA each 0.26mA each 3.0V 0.00078W 1 LED
Energy Storage	EnergyCache Pseudocapacitor	3 x 2.3V 10 Farad
Housing Construction	High impact poly-carbonate top-cover (Sabic Korea) High impact poly-carbonate bottom-cover (LG Chem, 112R-112))	
Electronic Controller	Main PCB (Torex, NXP)	
Country of Origin	South Korea	

Sole Distributor:  
CorePlan International  
81 Ubi Avenue 4, UB One #03-16  
Singapore 408830  
Tel: +65-6538 2921  
Fax: +65-6538 2927  
Email: [sales@coreplan.com.sg](mailto:sales@coreplan.com.sg)  
[www.coreplan.com.sg](http://www.coreplan.com.sg)

