

Specifications on ILDE-S12



Dimensions and Weight

SUS case Size..... 224mm x 123mm x 61mm

Product Size..... 200mm x 100mm x 60mm

Wing Size..... 11mm x 11mm

Weight..... 1.7 kg

SUS case Thickness.... 0.8t

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

Physical Properties

Compressive Strength..... 36,187 N

Water Proof..... IP68

Operating Temperature..... -40°C to +70°C

Operating Time..... more than 12 hours

Onset Point..... 150 - 350 LUX

Charging Time..... 3 (sunny) to 8 (cloudy and rainy)



224mm X 123mm X 61mm

Lighting Properties

Model	Color	Luminance(Lux)			Uniformity
		average	min	max	
NST-0408	Red	4,7	4,35	5,12	85%
	Green	18,2	15,95	22	73%
	Blue	1,6	1,38	2	70%
	Orange	4,9	4,54	5,35	85%
	Amber	5,1	4,19	5,87	71%
	White	21,1	16,91	26,4	64%
type : Continuous , 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	79 x 165mm 1.263W 401mA 3.15V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	3.5x2.8mm chip type 20mA per each (2.0V(ROA), 3.0V(BGW) ROA(6.5mA), BGW(5.4mA) (ROA) 2.5V (BWG) 4.0V (ROA) 0.016W (BWG) 0.022W 4 PCS
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitor	2.3V 120F 3 EA(ROA) , 4 EA(BWG)
Poly Carbonate Housing	T/C (SIBIC Innovation Plastics Korea, 141R-S1587), B/C(LG CHEM, LUPOY HI1002ML)	
Electronic Controller	MAIM PCB ROA, BG, W(Seiko, auk, on semi), LED PCB	

Colors

