

Specifications on ILSE-122



Dimensions and Weight

Size.....Ø148 x 50 mm
Weight.....1000 g

Physical Properties

Compressive Strength..... 239,000 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)



Lighting Properties

Model	Type	Color	Luminance(Lux)			Uniformity
			average	min	max	
YH-DD1	Steady	Red	22,32	21,2	22,8	93%
		Green	75,36	63,4	89,3	71%
		Blue	1,2	1,04	1,37	76%
		Yellow	13,83	11,91	16,2	73%
		White	67,2	59,3	85,8	69%

type : Continuous , Slow Flashing , Fast Flashing
 ⚙️ Flashing Speed : Slow Flashing (210±10%/min)
 ⚙️ Flashing Speed : Flashing Fast (60±10%/min)

* Illuminance(cd/m) measurement: The luminance of Center on the lighting area are measured and averaged.
 * Uniformity is obtained by dividing minimum luminance by maximum luminance from Center measurements.

Basic Components

Single Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	82 x 52mm 0.679W 215.6mA 3.15V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	3528 CHIP LED + Ø10 LENS 20mA per each 1.1mA (3PCS), 2.2mA(6PCS) 3V 0.0033W(3PCS) , 0.0066W(6PCS) 3PCS/6PCS
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitor	2.3V 120F 2 PCS
Poly Carbonate Housing	T/C(LG CHEM, 3025 AC WH), CASE(pijeyi Altec), ALDC12.1	
Electronic Controller	MAIN PCB (TOREX. Microchip), LED PCB	

