

# Specifications on ILDE-R10



## Dimensions and Weight

SUS case Size.... 120Ø x 61mm  
Product Size..... 100Ø x 60mm  
Wing Size..... 10mm  
Weight..... 880g  
SUS case Thickness.... 0.8t  
SUS case Material..... SUS 304-2B



## Physical Properties

Compressive Strength..... 62,135 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                                 | Color  | Luminance(Lux) |      |       | Uniformity |
|---------------------------------------|--------|----------------|------|-------|------------|
|                                       |        | average        | min  | max   |            |
| NST-100                               | Red    | 6,41           | 5,72 | 6,76  | 85%        |
|                                       | Green  | 11,53          | 10,6 | 12,17 | 87%        |
|                                       | Blue   | 1,49           | 1,2  | 1,68  | 73%        |
|                                       | Orange | 6,32           | 6,06 | 6,98  | 87%        |
|                                       | Amber  | 4,69           | 4,3  | 4,94  | 88%        |
|                                       | White  | 13,26          | 12,6 | 13,76 | 91%        |
| type : Continuous , Slow Flashing 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<br>Solar Maximum Output Power<br>Solar Operating Current<br>Solar Voltage      | 46 x 47 mm<br>0.33W<br>105mA<br>3.15V                                                                                         |
| LED                           | LED Size<br>LED Current<br>LED Operating Current<br>LED Voltage<br>LED Wattage<br>LED Quantities | 3.5x2.8mm chip type<br>20mA per each<br>R,O,A (1.8mA per each)B,W,G(1.1mA per each)<br>ROA (2.5V) BWG (4V)<br>0.004W<br>4 pcs |
| Pseudocapacitor               | Pseudocapacitor<br>Number of Pseudocapacitor                                                     | 2.3V 120F<br>2 pcs                                                                                                            |
| Poly Carbonate Housing        | T/C (Samyang, 3022-IR-01),B/C (Samyang, 3025 R)                                                  |                                                                                                                               |
| Electronic Controller         | MAIN PCB ROA, BGW ( SEIKE, AUK, ON SEMI), LED PCB                                                |                                                                                                                               |

## Colors

