

# Solar Reading Lamp

SunAwada  
Sinoware Technology Co., Ltd

Verify online:

<https://data.verasol.org/products/sek/sino-srl>

Valid until: March 31, 2024

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system

## PERFORMANCE DETAILS

| Setting | Description            | Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day) | Total light output (lumens) |
|---------|------------------------|--|-----------------------------|
| On      | 1 LED on, 0.32 W power | 5.3 hours  | 44 lumens                   |

Available daily electrical energy (Wh/day)

1.7

## Performance measure

Brightness setting: On

Lighting full battery run time (hours)

5.3

Total lighting service (lumen-hours/solar-day)

(includes the both main lighting unit and any lights with internal batteries included with the product)

230

## LIGHTING DETAILS

| Lamp name       | Number of lamps | Number of settings | Setting | Light output (lm) | Lumen efficacy* (lm/W) | CRI** | CCT*** | Distribution type | Lumen maintenance**** |
|-----------------|-----------------|--------------------|---------|-------------------|------------------------|-------|--------|-------------------|-----------------------|
| Integrated lamp | 1               | 1                  | On      | 44                | 140                    | 81    | 6200   | Wide              | 100%                  |

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

| DURABILITY                             |   |  |
|--|---|--|
| Overall durability and workmanship     | Pass  |  |
| Durability tests passed                | Switch test, Drop test, Physical ingress protection |  |
| Level of water protection              | Main Unit   | Has protection from frequent rain; met IPX3    |
|  | PV module   | Has protection from permanent outdoor exposure |
| SOLAR DETAILS                          |   |  |
| PV module type                         | CdTe (thin film)                                    |  |
| PV maximum power                       | 0.62 watts  |  |
| MAIN UNIT BATTERY DETAILS              |   |  |
| Battery replaceability                 | Easily replaceable with common tools.               |  |
| Battery chemistry                      | Lithium iron phosphate                              |  |
| Battery package type                   | AA (14500)  |  |
| Battery capacity                       | 0.53 Ah   |  |
| Battery nominal voltage                | 3.2 V   |  |
| Battery status/ other indicator lights | Two indicators for PV charging                      |  |
| PRODUCT DETAILS                        |   |  |
| Manufacturer name                      | Sinoware Technology Co., Ltd                        |  |
| Product name                           | Solar Reading Lamp                                  |  |
| Product model / ID number              | SunAwada  |  |
| Contact information                    | tommyhuang@sinoware.com.cn                          |  |
| Website                                | www.sinoware.com.cn                                 |  |
| Dimensions (entire product in package) | 9.5 x 13 x 4.5 cm                                   |  |
| Mass                                   | 185 g   |  |
| SSS INFORMATION                        |   |  |
| Specs sheet expiration date            | March 31, 2024                                      |  |
| Revision                               | 2022.03   |  |