

# Sundial TSL01

Trony Solar Holding Co., Ltd.

Results based on test procedures detailed in  
IEC 62257-9-5, ed. 2.0

Verify Online: [www.lightingglobal.org/products/tr-tsl01](http://www.lightingglobal.org/products/tr-tsl01)

Valid Until: October, 2014

## Lumens

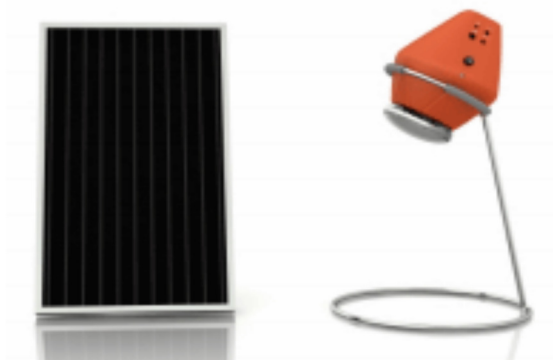
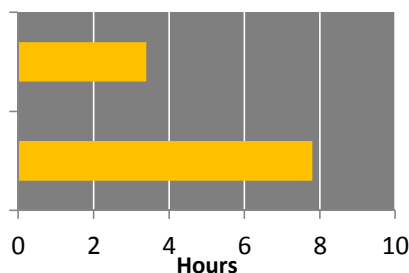
140

High

85

Medium-High

## Solar Run Time



Meets Lighting Global Minimum  
Quality Standards



Mobile Charging

1

Light Point

## Warranty Information

A 2-year warranty.

## Performance Details

Performance Measure	Brightness Setting***	
	High	Medium-High
Full battery run time* (hours)	3.8	9.2
Run time per day of solar charging* (hours)	3.4	7.8
Total light output (lumens)	140	85
Total area with illumination > 25 lux** (m <sup>2</sup> )	0.93	--
Total lighting service (lumen-hours / solar-day)	476	663

\* Run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

\*\* Total area with illumination > 25 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

\*\*\* Additional brightness settings (not tested): Medium-Low, Low

## Lighting Details

Lamp type	LED
Description of light points	Single LED
Colour characteristics	CRI 66 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	91% of the original output remains after 2,000 hours run time

Special Features	
Mobile charging	Auxiliary power (310 mA at 4.25 VDC, mini-USB connector) with 4 adapters to charge mobile phone from battery
Lamp housing	Polycarbonate
Durability	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, physical ingress protection test, and protection from occassional rain
Solar Details	
PV module type	Amorphous silicon
PV maximum power point	1.9 watts
Battery Details	
Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	--
Battery capacity	1400 mAh
Battery nominal voltage	6.4 V
Appropriate battery protection circuit	Pass
Marks and Certifications	
Factory certification	ISO 9000, ISO 14000, IEC, VDE, TUV
Product Details	
Manufacturer name	Trony Solar Holding Co., Ltd.
Product name	Sundial TSL01
Product model / ID number	TSL01
Contact information	customersupport@trony.com
Website	www.trony.com
SSS Information	
Specs sheet expiration date	October, 2014
Minimum Quality Standards Framework Version	2012
Revision	2014.01