

# Sundial TSL01

Trony Solar Holding Co., Ltd.

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

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

Valid Until: November 2014

## Lumens

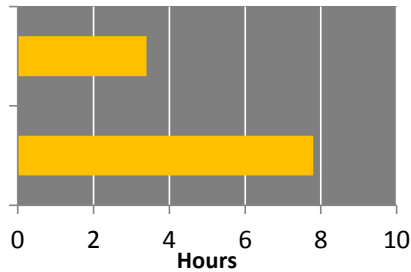
140

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 occasional 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	November 2014
Minimum Quality Standards Framework Version	2012
Revision	2014.01