

Family Sunshine

Total

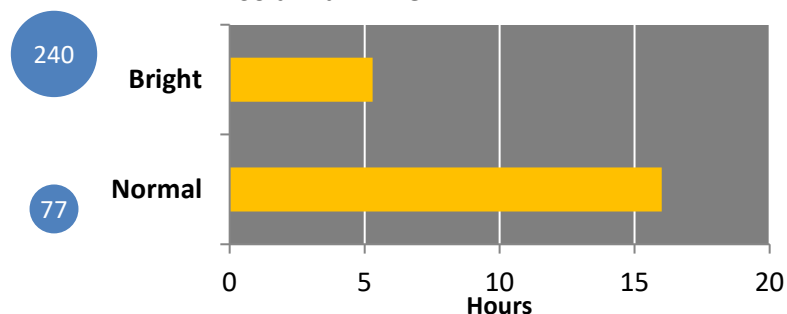
Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

Verify Online:

<https://data.verasol.org/products/sek/to-fs>

Valid Until: January 31, 2022

Lumens



Meets Lighting Global Quality Standards



Mobile Charging

1

Light Point



Warranty Information

A 2-year warranty covering manufacturing defects.

Performance Details

Performance Measure	Brightness Setting**	
	Bright	Normal
Full battery run time* (hours)	9	28
Run time per day of solar charging* (hours)	5.3	16
Total light output (lumens)	240	77
Total lighting service (lumen-hours / solar-day)	1300	1200

* 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.

**Additional brightness settings not tested: Turbo

Lighting Details

Lamp type	LED
Description of light points	16 LEDs with a frosted cover
Colour characteristics	CRI 81 CCT "Daylight" (> 5000 K)
Distribution type	Omnidirectional
Lumen maintenance	100% of the original output remains after 2,000 hours run time

Special Features

Mobile charging	Adapters included to charge mobile phone from battery
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Durability

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test. Protection from occasional rain; met by IPX1.

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	2.9 watts

Battery Details

Battery replaceability	Easily replaceable with common tools. Warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type	2 * 18650
Battery capacity	4100 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

Marks and Certifications

Factory certification	ISO9001:2015; ISO14001:2015
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Product Details

Manufacturer name	Total
Product name	Family Sunshine
Product model / ID number	TLL001
Contact information	florent.giorgi@total.com
Website	www.total.com

SSS Information

Specs sheet expiration date	January 31, 2022
Quality Standards Framework Version	2018
Revision	2018.10