

# S100

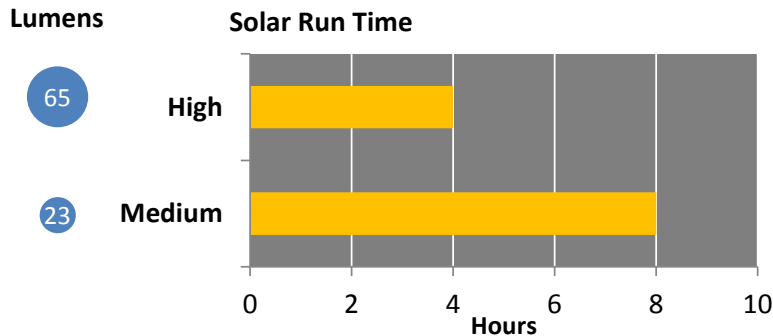
d.light design

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

Verify Online:

[www.lightingglobal.org/products/dl-s100](http://www.lightingglobal.org/products/dl-s100)

Valid Until: December 31, 2017



 **Meets Lighting Global Quality Standards**

 **Mobile Charging**

**1 Light Point**

## Warranty Information

A 2-year warranty covering failure under normal use.

## Performance Details

Performance Measure	Brightness Setting***	
	High	Medium
Full battery run time* (hours)	4	8
Run time per day of solar charging* (hours)	4	8
Total light output (lumens)	65	22.5
Total area with illumination > 50 lux** (m <sup>2</sup> )	0.12	--
Total lighting service (lumen-hours / solar-day)	260	180

\* 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 > 50 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): none

## Lighting Details

Lamp type	LED
Description of light points	Portable lantern with 3 LEDs under a frosted cover
Colour characteristics	CRI 85 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	96% of the original output remains after 2,000 hours run time

### Special Features

Enclosure	Made from UV-resistant plastic
Mobile charging	Solar module can charge mobile phones directly

### Durability

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and protection from occasional rain

### Solar Details

PV module type	Monocrystalline silicon
PV maximum power point	1.5 watts

### Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	18500 cylindrical cell
Battery capacity	850 mAh
Battery nominal voltage	3.2 V
Appropriate battery protection circuit	Pass

### Marks and Certifications

Factory certification	ISO 9001:2008, ISO 14001:2004
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### Product Details

Manufacturer name	d.light design
Product name	S100
Product model / ID number	S100
Contact information	<a href="http://www.dlight.com/contact-us">www.dlight.com/contact-us</a>
Website	<a href="http://www.dlight.com">www.dlight.com</a>

### SSS Information

Specs sheet expiration date	December 31, 2017
Quality Standards Framework Version	2015
Revision	2015.12