

S100

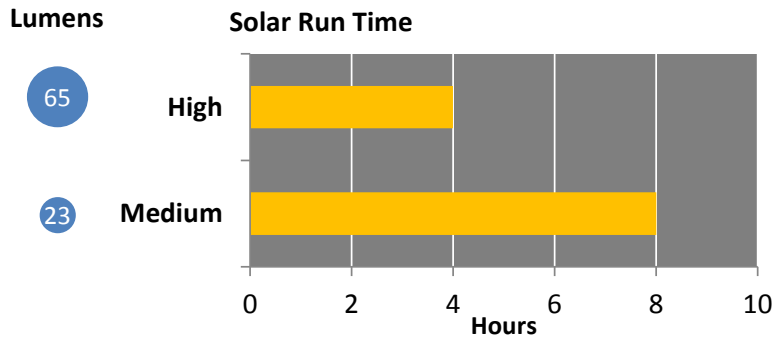
d.light design

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

Verify Online:

www.lightingglobal.org/products/dl-s100

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 ²)	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	www.dlight.com/contact-us
Website	www.dlight.com

SSS Information

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