

# D20

d.light design

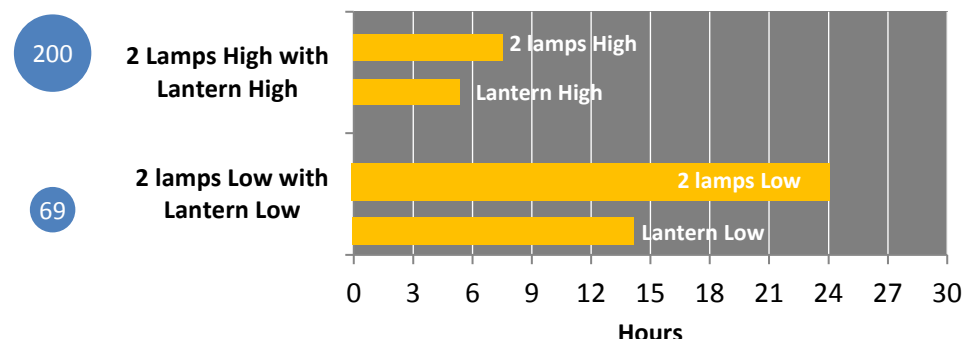
Results based on test procedures detailed in  
IEC 62257-9-5, ed. 2.0

Verify Online: [www.lightingglobal.org/products/dl-d20](http://www.lightingglobal.org/products/dl-d20)

Valid Until: September 30, 2018

Lumens

Solar Run Time



Meets Lighting Global Minimum  
Quality Standards



Mobile Charging

3

Light Points



## Warranty Information

A 2-year product replacement warranty for verified manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting***			
	Two Lamps High with Lantern High	Two Lamps High	Two Lamps Low with Lantern Low	Lantern High
Full battery run time* (hours)	--	8	27 (Two Lamps Low) 15 (Lantern Low)	5
Run time per day of solar charging* (hours)	7.2 (Two Lamps High) 5 (Lantern High)	--	24 (Two Lamps Low) 14 (Lantern Low)	--
Total light output (lumens)	170 (Two Lamps High) 25 (Lantern High)	170	56 (Two Lamps Low) 13 (Lantern Low)	25
Total area with illumination > 50 lux** (m <sup>2</sup> )	--	0.14	--	0.05
Total lighting service (lumen-hours / solar-day)	1300	--	1500	--

\* 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): Lantern Low

Lighting Details	
Lamp type	LED
Description of light points	Two corded lamps that connect to control unit; one portable lantern
Colour characteristics	CRI 84 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	97% and 98% of the original output remains after 2,000 hours run time for the lamps and lantern, respectively
Special Features	
Mobile charging	Adapters included to charge mobile phone from control unit's battery
Enclosure	UV-resistant plastic
Durability	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and (for the lantern only) protection from occasional rain
Solar Details	
PV module type	Polycrystalline silicon
PV maximum power point	5.4 watts
Battery Details	
Battery replaceability	Easily replaceable with common tools
Battery chemistry	LiFePO4 (3.2-3.3 V/cell)
Battery capacity	3300 mAh control box; 570 mAh lantern
Battery nominal voltage	6.4 V control box; 3.2 V lantern
Appropriate battery protection circuit	Pass
Marks and Certifications	
Factory Certification	ISO 9000, 14001
Other Certification	CE
Product Details	
Manufacturer name	d.light design
Product name	D20
Product model / ID number	D20
Contact information	davidxu@dlight.com
Website	www.dlight.com
SSS Information	
Specs sheet expiration date	September 30, 2018
Revision	2016.09