

Free Light L1

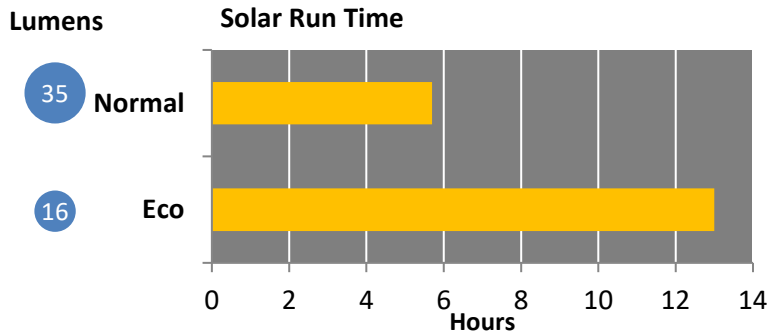
JUA Energy

Verify Online:

www.lightingglobal.org/products/jua-fl1

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

Valid Until: December 31, 2018



 **Meets Lighting Global Quality Standards**

1 Light Point

Warranty Information

2-year warranty covering defects in material and workmanship

Performance Details

Performance Measure	Brightness Setting	
	Normal	Eco
Full battery run time* (hours)	6.2	15
Run time per day of solar charging* (hours)	5.7	13
Total light output (lumens)	35	16
Total area with illumination > 50 lux** (m ²)	0.21	--
Total lighting service (lumen-hours / solar-day)	200	210

* 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.

Lighting Details

Lamp type	LED
Description of light points	2 LEDs inside a frosted cover
Colour characteristics	CRI 83 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	100% of the original output remains after 2,000 hours run time

Special Features

AC Grid Charge	Can be charged via a micro-USB (not included)
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Durability

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

PV module type	Polycrystalline silicon
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PV maximum power point	0.5 watts
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Battery Details

Battery replaceability	Easily replaceable with common tools
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Battery chemistry	Lithium iron phosphate
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Battery capacity	620 mAh
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Battery nominal voltage	3.2 V
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Appropriate battery protection circuit	Pass
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Product Details

Manufacturer name	JUA Energy
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Product name	Free Light L1
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Product model / ID number	L1
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Contact information	hill.ren@juaenergy.com
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Website	www.juaenergy.com
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SSS Information

Specs sheet expiration date	December 31, 2018
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Quality Standards Framework Version	2016
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Revision	2016.12
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