

# Free Light L1

L1

JUA Energy

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

[www.lightingglobal.org/products/jua-fl1](http://www.lightingglobal.org/products/jua-fl1)

Valid until: April 30, 2021



Meets the Lighting Global Pico-PV Quality Standards



1 Light point(s)

Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering defects in material and workmanship

## PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	Total light output (lumens)
Normal	One LED on the highest setting	5.7 hours	35 lumens
Eco	One LED on the dimmest setting	13 hours	16 lumens

Available daily electrical energy (Wh/day) 1.7

Performance measure	Brightness setting: Normal
Lighting full battery run time (hours)	6.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	200

## LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Built-in Light	1	2	Normal	35	160	83	5200	Wide	100

\* Lumen efficacy is the power consumption at a light point during the light output test.

\*\* Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

\*\*\* Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

\*\*\*\* Percent of the original light output that remains after 2,000 hours of run time

## SPECIAL FEATURES

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

## DURABILITY

Overall durability and workmanship	Pass
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection.
Level of water protection	Main Lighting Unit Has protection from frequent rain; met with technical protection and an appropriate warning label

## SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	0.5 watts

## BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	AA (HR6/14500)
Battery capacity	0.62 Ah
Battery nominal voltage	3.2 V
Battery status indication	When the lantern is charging the indicator will be red.

## MARKS AND CERTIFICATIONS

Factory certification	ISO 9001:2015
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## PRODUCT DETAILS

Manufacturer name	JUA Energy
Product name	Free Light L1
Product model / ID number	L1
Contact information	hill.ren@juaenergy.com
Website	www.juaenergy.com
Dimensions (entire product in package)	13 x 26 x 3 cm
Mass	167 g

## SSS INFORMATION

Specs sheet expiration date	April 30, 2021
Quality standards framework version	2018
Revision	2019.04