

LUKE LIGHT SPECIFICATION SHEET

A solar-powered, portable lighting device incorporating a solar panel, one LED, one rechargeable battery and an electronic power-management system.



GENERAL INFORMATION

Country of Origin	Designed in USA — Engineered in China
Product Name	Luke Light
Contact	admin@unite-to-light.org
Website	unite-to-light.org
One year warranty	covered by Unite to Light for manufacturing defects

RUN TIME AND CHARGE TIME

Hours of light on full battery	16 hours
Charge time to full battery	22 hours
Hours of light per solar day	5 hours (depending on sun intensity, cloud cover, location and season)

LIGHTING SYSTEM SPECIFICATIONS

Lamp type	High efficiency white LED
Light output	> 20 lumens
Color temperature	5000-7000k white daylight
Light beam	Diameter: 50cm (19.6") min at 25.4cm (10") LED to light sensor

ENERGY STORAGE AND CHARGING SYSTEM SPECIFICATIONS

Charging type	Photovoltaic
Storage type	Rechargeable Lithium Polymer battery (included) 600mAh
Battery capacity	600mAh, 2.2 Wh
Battery voltage	3.7V
Battery lifetime	10000 charge-discharge cycles (to 100% capacity)

DURABILITY

Waterproof	Waterproof IP65 for outdoor use (do not submerge)
UV, dirt and dust resistant	Dust and dirt ingress-proof (avoid burying in sand)

ADDITIONAL FEATURES

Attachment modes	Secure hanging arm loop clicks into position to hook, hang or carry
Flexible neck	Multi-position task light
Auto shut-off	Conserve battery with auto shut-off in sun light

DIMENSIONS

Base (width x height x depth)	94mm x 27.6mm x 85.7mm — (3.7" x 1.05" x 3.37")
Neck and LED housing	30.8cm (12") long
Whole unit weight	183 grams (6.45 oz)

CERTIFICATIONS

VeraSol	This VeraSol-certified product meets all quality requirements in IEC TS 62257-9-8.
CE marking	Meets or exceeds all relevant European health, safety and environmental protections/legislations.
RoHs compliant:hazardous materials not detectable	Compliant with restriction of Hazardous Substances Directive 2002/95/EC restricting the use of hazardous materials (such as lead, mercury, chromium, cadmium and more) found in electronic products.

PACKAGING

Environmentally conscious	Box printed on recycled paper with soy inks and aqueous varnish
Unit box size	100mm x 120mm x 35mm (4" x 4.88" x 1.5")
Carton packing	100 Luke Lights per carton
Carton dimensions	540mm x 390 mm x 280mm (21.25" x 15.35" x 11")
Carton weight	Gross weight 20.6kg (45.42 lbs) — Net weight 19.6kg (43.21 lbs)