

Luke Light

CH1070-01

Brand name: Unite to Light

Verify online:

<https://data.verasol.org/products/sek/utl-luke>

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

Valid until: March 31, 2026



Meets the Requirements in IEC TS 62257-9-8:2020 for Size A kits

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 1-year warranty covering defects in the system.

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
On	1 integrated LED, 0.2 W power	5.4 hours	20 lumens

Available daily electrical energy (Wh/day)	1.1
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Performance measure	Brightness setting: On
Lighting full battery run time (hours)	16
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	110

LIGHTING DETAILS


Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Light in Main unit	1	1	On	20	95	76	8300	Wide	98%

* 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		
Hands Free Usage		The light comes attached to a bendable arm that can be manipulated to hang the Luke Light
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit with Integrated PV Module	Has protection from permanent outdoor exposure; met IPX5
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		0.34 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry		Lithium-ion
Specific Li-ion battery chemistry		lithium polymer
Battery package type		603040
Battery capacity		0.79 Ah
Battery nominal voltage		3.7 V
Battery status/ other indicator lights		n/a
PRODUCT DETAILS		
Company Name		Unite to Light
Brand Name		Unite to Light
Product name		Luke Light
Product model / ID number		CH1070-01
Contact information		admin@unite-to-light.org
Website		www.unitetolight.org
Dimensions (entire product in package)		106.6 x 12.7 x 3.5 cm
Mass		205 g
SSS INFORMATION		
Specs sheet expiration date		March 31, 2026
Revision		2024.06