

ELL 12 LED Kit

ELL-LMC-12-10Wp
E-Longlife Energies Nouvelles SAS

Verify online:

<https://data.verasol.org/products/sek/el-ell12>

Valid until: November 30, 2023

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



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

5 year warranty covering faulty or defective goods

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	1 light point on "On" totaling 250 lumens and 2.4 W power	4.6 hours	3.9 hours
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use]	28 hours	2.9 hours
no	not included	Mobile phone	Smartphone, 5.7 Wh battery	2.4 full charge(s)	1 full charge(s)

Available daily electrical energy^c (Wh/day)

17

Performance measure	Brightness setting: on
Lighting full battery run time ^d for main unit (hours)	4.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1130

^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.
^b Without any other loads used during the run time
^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.
^d Lighting full battery 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.

LIGHTING DETAILS


Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy ^e (lm/W)	CR ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Integrated lamp	1	1	On	250	100	87	4200	Wide	100%

^e Lumen efficacy is the power consumption at a light point during the light output test.

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

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

^h Percent of the original light output that remains after 2,000 hours of run time

PORTS		
1	USB 2.0 type A	 Mobile phones and radios can be charged. Does not include adaptors for mobile phones or radios.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Has protection from occasional rain; met with technical protection and an appropriate warning label
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		9,3 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools.
Battery chemistry		Lithium-ion
Specific Li-ion battery chemistry		lithium cobalt oxide
Battery package type		2 x 18650
Battery capacity		5.1 Ah
Battery nominal voltage		3.7 V
Battery status indication		One indicator for charging and USB usage status
PRODUCT DETAILS		
Manufacturer name		E-Longlife Energies Nouvelles SAS
Product name		ELL 12 LED Kit
Product model / ID number		ELL-LMC-12-10Wp
Contact information		vmontoux@ellen-sas.com
Website		https://e-longlife-hes.com/
Dimensions (entire product in package)		8 x 8 x 16 cm
Mass		205 g
SSS INFORMATION		
Specs sheet expiration date		November 30, 2023
Revision		2021.11