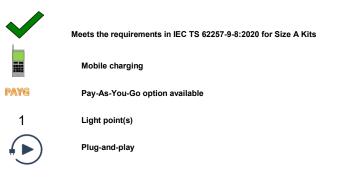
## L190 Task Light & Phone Charger

Omnivoltaic Energy Solutions Co., Ltd.

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

Verify online: https://data.verasol.org/products/sek/omni-l190 <u>Valid until:</u> November 30, 2024





## WARRANTY INFORMATION A 2-year warranty covering manufacturing defects ERFORMANCE DETAILS Run time after a typical day of solar charging (assuming 5kWh/m<sup>2</sup>/day) Used in Included in VeraSol Certified? Appliance<sup>a</sup> Description Used alone<sup>b</sup> Kit? combination<sup>c</sup> 1 light point on Super totaling 190 lumens included Main lighting unit 5.5 hours 2.2 hours yes and 1.3 W power Mobile phone Basic phone (3.7 Wh battery) no not included 1.4 full charge(s) --no not included Smartphone Smart phone (5.7 Wh battery) 0.86 hours 0.56 hours

Available daily electrical energy <sup>c</sup> (Wh/day)
Available daily clothold chergy (Whi/day)

Performance measure	Brightness setting: Super
Lighting full battery run time <sup>d</sup> for main unit (hours)	5.5
Total lighting service (lumen-hours/solar-day)	1050

6.5

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 (Im)	Lumen efficacy <sup>e</sup> (Im/W)	CRI <sup>f</sup>	CCTª	Distribution type	Lumen maintenance <sup>h</sup>
L190	1	3	Super	190	140	68	5200	Wide	100%
			Normal	73	90	68	5100	-not tested-'	

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

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

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

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

PORTS						
1 5 V port		Omnivoltaic customized port for mobile charging, adaptors are included.				
DURABILITY						
Overall durability and workmanship		Pass				
Durability tests passed		Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests				
	Main Unit	Has protection from occasional rain; met IPX1				
Level of water protection	PV module	Has protection from permanent outdoor exposure				
SOLAR DETAILS						
PV module type		Polycrystalline silicon				
PV maximum power		2.4 watts				
MAIN UNIT BATTERY DETAILS						
Battery replaceability		Not easily replaceable with common tools.				
Battery chemistry		Lithium-ion				
Specific Li-ion battery chemistry		lithium nickel manganese cobalt oxide				
Battery package type		18650				
Battery capacity		2.5 Ah				
Battery nominal voltage		3.6 V				
Battery status/ other indicator lights		Three indicators for battery state of charge.				
PRODUCT DETAILS						
Manufacturer name		Omnivoltaic Energy Solutions Co., Ltd.				
Product name		L190 Task Light & Phone Charger				
Product model / ID number		L190				
Contact information		sales@omnivoltaic.com				
Website		www.omnivoltaic.com				
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.				
Mass		440 g				
SSS INFORMATION						
Specs sheet expiration date		November 30, 2024				
Revision		2023.05				