

L190 Task Light & Phone Charger

L190

Omnivoltaic Energy Solutions Co., Ltd.

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

Verify online:

<https://data.verasoil.org/products/sek/omni-l190>

Valid until: May 31, 2023



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

	Setting	Description	Run time after a typical day of solar charging	
			Used alone ^b	Used in combination ^c
included in kit	Main lighting unit	1 light point on Super totaling 190 lumens and 1.3 W power	5.5 hours	2.2 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	1.4 full charge(s)	--
	Smartphone	Smart phone (5.7 Wh battery)	0.86 full charge(s)	0.56 hours

Available daily electrical energy (Wh/day)

6.5

Performance measure

Brightness setting: Super

Lighting full battery run time (hours)

5.5

Total lighting service (lumen-hours/solar-day)

1050

(includes the both main lighting unit and any lights with internal batteries included with the product)

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
L190	1	3	Super	190	140	82	5100	Wide	100%
			Normal	94	99	82	5100	-Not Tested-	

* 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

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.	
Level of water protection	Main Unit	Has protection from occasional rain; met IPX1
	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
Battery package type	18650
Battery capacity	2.5 Ah
Battery nominal voltage	3.6 V
Battery status indication	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	May 31, 2023
Quality standards framework version	2020
Revision	2021.03