

# X740

d.light design

Results based on test procedures detailed in Lighting Global Solar Home System Test Method, Ed. 2.0

Verify online:

[www.lightingglobal.org/products/dl-x740](http://www.lightingglobal.org/products/dl-x740)

Valid Until: October 31, 2019



\*Quality Verified TV sold separately

\*\* Control unit may have a metal or plastic housing. Plastic housing pictured above.



Meets Lighting Global Quality Standards



Mobile Charging



Pay-As-You-Go Option Available

## Available Daily Electrical Energy (Wh/day)

89

Lumens

1000

4 Light Points

3 5-volt USB Ports



3 12-volt Ports



## Warranty Information

The product carries a 2-year warranty. The TV (sold separately) carries a 2 year warranty.

## Performance Details

Appliance <sup>b</sup>	Description	Included with kit?	Power <sup>b</sup> (W)	Run Time After a Typical Day of Solar Charging <sup>a</sup>		
				Used Alone <sup>c</sup>	Used In Combination <sup>d</sup>	Run Time Units
Main lighting	3 hanging lamps and 1 tubelight	included	10	7.4	5.0	hours
Television	19" diagonal	sold separately	9.5	11	2.8	hours
Mobile Phone	Smart phone (5.7 Wh battery)	not included	--	17	1.6	number of full charges

Available daily electrical energy<sup>d</sup> (Wh/day): 89

Performance Measure	Brightness Setting: 3 lamps and 1 tubelight on high
Lighting full battery run time <sup>e</sup> (hours)	7.7
Total light output in lumens <sup>f</sup>	1000

<sup>a</sup> A typical day of solar charging assumes 5 kWh/m<sup>2</sup>/day

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

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

<sup>d</sup> Based on an example use profile with all of the appliances listed above used in combination

<sup>e</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.

<sup>f</sup> 1 candle or kerosene wick lamp = approximately 10 lumens

**Lighting Details**

Lamp Name	Type	Number of Settings	Light Output (lm)	Lumen Efficacy (lm/W)	CRI <sup>g</sup>	CCT <sup>h</sup>	Distribution Type	Lumen Maintenance <sup>i</sup>
Hanging Lamp	LED	unlimited, dimmable	200	110	85	CCT "Daylight" (>5000 K)	Wide	>101%
Tube Light	LED	unlimited, dimmable	410	110	85	CCT "Daylight" (>5000 K)	Wide	>101%

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

<sup>h</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, near daylight, or cool.

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

**Special Features**

Mobile charging and appliances	USB and 12 V ports available to charge devices and power appliances
Pay-as-you-go	PAYG-enabled
TV	Quality verified d.light SV19 TV available for purchase separately
Housing	Available with a metal or plastic housing

**Durability**

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test. Water ingress protection not tested; meant for indoor use only.

**Solar Details**

PV module type	Polycrystalline silicon
PV maximum power	29 watts

**Battery Details**

Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	4x IFR 32700
Battery capacity	6 Ah
Battery nominal voltage	12.8 V
Battery Status Indication	One display shows the charging battery level and lock status.

**Marks and Certifications**

Factory certification	ISO 9001:2008; ISO 14001:2004
-----------------------	-------------------------------

**Product Details**

Manufacturer name	d.light design
Product name	X740
Product model / ID number	X740
Contact information	testing@dlight.com
Website	www.dlight.com
Dimensions (entire product in package)	38.2 cm x 28.2 cm x 13.5 cm; PV Module:67 cm x 35 cm
Weight	5745 g (metal housing); 5435 g (plastic housing)

**SSS Information**

Specs sheet expiration date	October 31, 2019
Quality Standards Framework Version	2017
Revision	2017.06