

Ulitium200

Product Specifications

PS-ULITIUM-01/02-150814

The **Ulitium200** is a lamp based on ultra efficient Light Emitting Diode Technology with built in Lithium Energy Storage Pack and energy management electronics. The **Ulitium** can deliver up to 240 Lumens of Light output to a maximum of 6 hours on a full Charge or a Maximum of 60 hours at a light-output of 25 Lumens. The **Ulitium** is operated through a pull-cord-switch with adjustable cord-length.



Product HighLights

- The **Ulitium** contains 60kj of energy
- Light output up to 240 Lumens
- Lasts up to 60 hours on a full charge (Lowest light output)
- Recharged via the LEC Solar Panel

Ulitium Performance	High	Medium	Low
Light Output*	240 Lumen	120 Lumen	25 Lumen
Light Color Temperature		6000 K	
Energy Content		60 kj	
Energy Consumption for Light	8 kj/h	4 kj/h	0.8 kj/h
Energy Required for Recharge	10 kj per used light hour	5 kj per used light hour	1 kj per used light hour
Light Hours	6 hours	12 hours	60 hours
Light Output loss**	7% after 5 years 15% after 10 years	4% after 5 years 7% after 10 years	2% after 5 years 4% after 10 years
Storage Capacity loss***	25% after 2.5 years 50% after 5 years	25% after 5 years 50% after 10 years	12% after 5 years 25% after 10 years
Standby Energy Consumption		15 J/ day (5.5 kj/ year)	
Battery Self Discharge		3% / month (for more details see Epack60 datasheet)	
*	Light Output can be adjusted between 240 and 25 Lumen through short-pull and hold the pull-cord-switch on the lamp (Short pull for ON/OFF, hold the pull-cord for dimming).		
**	Light Output will reduce over time based on total lighting hours & brightness of the lamp. At full output level, light output will degrade faster than at lower output levels.		
***			Storage Capacity will reduce over time based on the total energy amount withdrawn from the energy-storage-pack. It is recommended to replace the energy-storage-pack when the capacity has been reduced by more than 50%

Charging details

Max Charge acceptance	15 kj/hour
Min Charge hours to full	4 hours
Min Charger Supply Voltage	16 VDC
Max Charger Supply Voltage	24 VDC
Max Charge Current	350 mA

Protection

Charge Input Reverse Polarity protection	YES
Input Voltage Surge Protection	YES
Enclosure protection class	IP 54 (with plug inserted)
Enclosure protection class	IP 44 (without plug inserted)
CE Compliance	YES
Available Independent Test Reports	Fraunhofer ISE

Mechanical details

Connector System	Sundaya Proprietary Bayonet DC Socket
Operating Temperature Range	-10 °C to + 55 °C
Storage Temperature Range	-20 °C to + 25 °C (1 month) -20 °C to + 45 °C (3 month) -20 °C to + 60 °C (12 month)
Enclosure Material	ABS UV stabilized
Lens Material	Poly Carbonate
Connector Materials	Nickel Plated Brass
Product Dimensions (H x D)	180 x 100 mm
Nett Product Weight	200 gr
Packing Options	In single unit pack or as part of Ulitium kits

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