

# Ulitium200

## PRODUCT SPECIFICATIONS

PS-U200-01/02-080411

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 lightoutput of 25 Lumens. The Ulitium is operated through a pull-cord-switch with adjustable cord-length.

### Performance

Switch Position *	1	2	3
Light Output	240 Lumen	120 Lumen	25 Lumen
Energy Consumption	10kJ/h	5kJ/h	1kJ/h
Energy-Storage-Pack Capacity	60 kJ		
Maximum 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 ***	24% after 5 years 49% after 10 years	12% after 5 years 24% after 10 years	2% after 5 years 5% after 10 years
Standby Energy Consumption	15 J/ day ( 5.5 kJ/ year )		
Battery Self Discharge	10% / year		

\* Light Output can be set in 3 fixed positions 1, 2 and 3 through short pulls on the pull cord; and also can be regulated anywhere in between the 3 fixed positions through pulling and holding the cord until the desired brightness is achieved.

\*\* Light Output will reduce over time based on total lighting hours & brightness position of the lamp. At full output level (position 1), light output will degrade faster than at lower output levels (position 2 or 3).

\*\*\* Storage Capacity will reduce over time based on the total energy amount withdrawn from the energy-storage-pack.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 30%.

### Charging details

Maximum Charge Acceptance	15 kJ/ hour
Min Charge hours to full	4 hours
Minimum Charger Supply Voltage	16 VDC
Maximum Charger Supply Voltage	25 VDC
Maximum Charge Current	350 mA

### Protection

Charge Input Reverse Polarity protection	YES
Input Voltage Surge Protection	YES
Enclosure protection class	IP 44
CE Compliance	YES
Available Independent Test Reports	Fraunhofer ISE

### Warrantees

LED Module	1 Year
Battery Pack	1 Year

### Mechanical details

Connector System	Sundaya Proprietary Bayonet DC Socket
Operating Temperature Range	-10 C to + 55 C
Storage Temperature Range	-40 C to + 85 C
Enclosure Material	ABS UV stabilized
Lens Material	Poly Carbonate
Connector Materials	Nickel Plated Brass
Product Dimensions (Height x Diameter)	180 x 100 mm
Nett Product Weight	200 gr
Packing Options	In single unit pack or as part of Ulitium Lightkits

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