



# T-lite180-60kJ

## PRODUCT SPECIFICATIONS

PS-T180-01/02-050711

The T-lite180 is a lamp based on ultra efficient Light Emitting Diode Technology with built in Lithium Energy Storage Pack and energy management electronics. The T-lite can deliver up to 180 Lumens of Light output to a maximum of 7,5 hours on a full Charge or a Maximum of 75 hours at a lightoutput of 15 Lumens. The T-lite is operated through a Touch-Switch with dimming function. The T-lite can be used as a hanging, or standing Lamp but also as a torchlight with an ergonomically designed handle.

### Performance

Switch Position *	Full	Half	Low
Light Output	180 Lumen	90 Lumen	15 Lumen
Energy Consumption	8kJ/h	4kJ/h	0,8kJ/h
Energy-Storage-Pack Capacity	60 kJ		
Maximum Light Hours	7,5 Hours	15 Hours	75 Hours
Light Output loss **	15% after 5 years 30% after 10 years	8% after 5 years 15% after 10 years	4% after 5 years 8% after 10 years
Storage Capacity loss ***	30% after 5 years 60% after 10 years	20% after 5 years 40% after 10 years	10% after 5 years 20% after 10 years
Standby Energy Consumption	15 J/ day ( 5.5 kJ/ year )		
Battery Self Discharge	10% / year		

\* Light Output can be adjusted between 180 and 15 Lumens through the touch switch on the lamp (Short touch for ON/OFF hold touch for dimming).

\*\* 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\*\*\* Storage Capacity will reduce over time based on the total energy amount withdrawn from the energy-storage-pack.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 50% (data are based on 4hours per day usage)

### 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	Max 24.5 V x 1 μs
Enclosure protection class	IP 54
CE Compliance	YES
Available Independent Test Reports	Fraunhofer ISE (in process)

### Warrantees

LED Module	1 Year
Battery Pack	1 Year

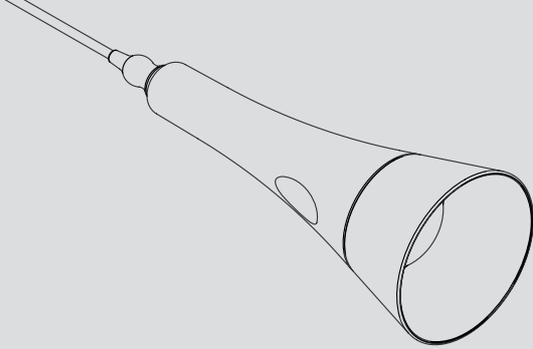
### Mechanical details

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)	228 x 100 mm
Nett Product Weight	200 gr
Packing Options	In single unit pack or as part of T-lite kits

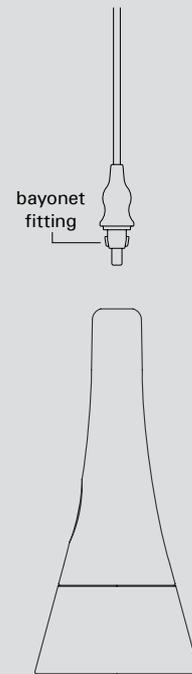
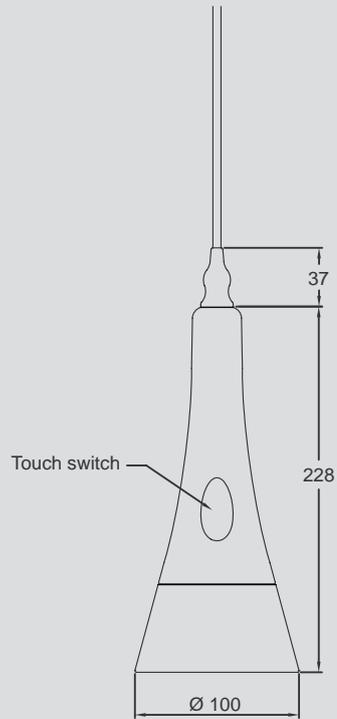
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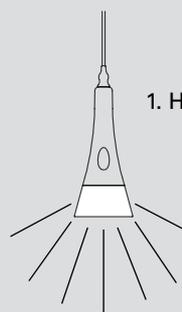
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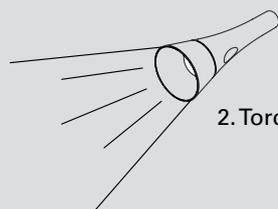
### • Mechanical Dimension



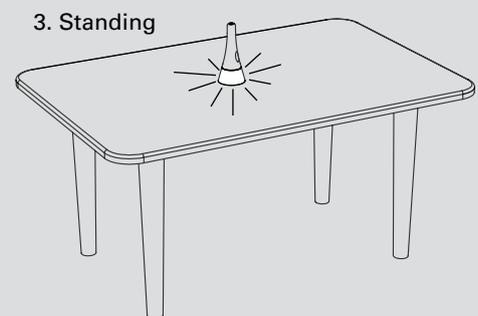
### • Functionality



1. Hanging



2. Torch Lamp



3. Standing