

# SOLUX-LED-50: Operating instructions (Version 2.0)

The following text describes how to use SOLUX-LED-50. Please read the instructions carefully to avoid problems and damages.



Lantern and Module



Module Rear View

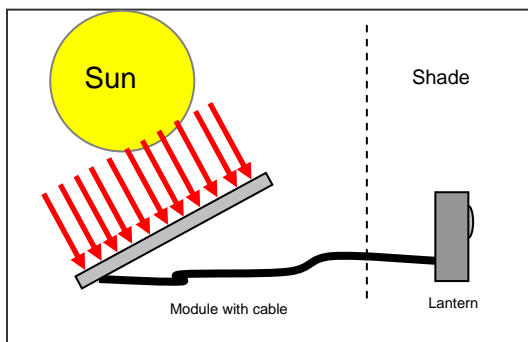


Module Front View

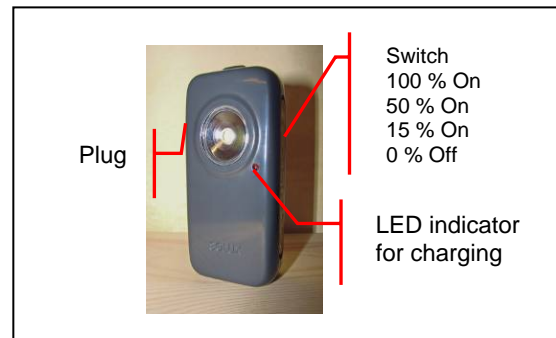


AC Plug-Charger

The SOLUX-LED-50 consists of the lantern, the solar module and the connecting cable. As an option an AC plug-charger is available.



Charging the lantern

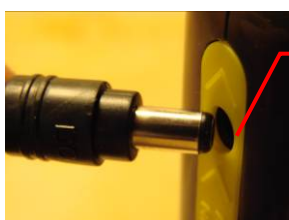


Detail of the lantern

## How to place the Solar module

The system SOLUX-LED-50 is composed of the solar module, the lantern and the connecting cable.

- The surface of the module is possibly protected with a thin, transparent foil. Take this off before you start with operation.
- Place the module in a way that the sun is shining all day on it
- Shades on the module stop it from charging; even if it is partially covered
- Best position of the module is that at noon time when the module is in an right angle to the sun.
- Try to keep the surface of the module always clean.
- There are holes at the backside of the module to fix the module with a band or screws.



Please plug in solar module or DC



Holes to fix the module



2 holes to fix the module with screws



### How to operate the lantern

- After charging you should disconnect the charger. The lantern will operate even if the charger is connected.
- Position the switch at the right side to **H (high)** or L (Low) or very Low.
- **H** is for 100% lighting power, **L** reduces the lighting by 50% and 15%.
- **L** will let the lantern shine much longer. When the lantern was charged on a very cloudy day it is advisable to use position **L**!
- The brightness will decrease continuously as the voltage decreases.
- When the lantern is only shining very weak (that will be latest after 10 h of usage), please switch to position „0“, connect the plug of the charging cable and start charging again.
- The lantern can be fixed in a vertical or horizontal position.

**Attention! Don't look directly into the LED**

### Additional Instructions

- The lantern can be charged with the 1,5W solar module or with an AC charger **5V/350 mA**. Higher loading currents and higher voltage will damage the electronics. Polarity of the plug: **inside = Plus, outside = Minus**.
- Do not charge the lantern longer then two days with the solar module (in full sun light) or exceeding 12 h with the AC charger without using it in between.
- If the lantern is used only occasionally it is recommended for the lifespan of the batteries to charge them at least once a month.
- The lantern is **not water proof**. Please protect the lantern from rain etc..
- The daily operation time depends on how much the battery has been charged and whether you use bright (H) or dimmed light (L). The lantern can be used for 3 to 8 hours daily.
- The strap can be disconnected if needed.
- If the lantern was fully charged but stops working after less then 1.5 hours the rechargeable battery back might have expired. Please get a new rechargeable battery pack with the specifications 3,6V NiMh (3 x 1,2V AA) / 1800 mAh from SOLUX or your local reseller.
- Rechargeable batteries are never part of the waste and should be returned for recycling!
- On the back of module and lantern you find a unique number to distinguish different systems.
- For any additional information see our homepage **www.solux.org**

