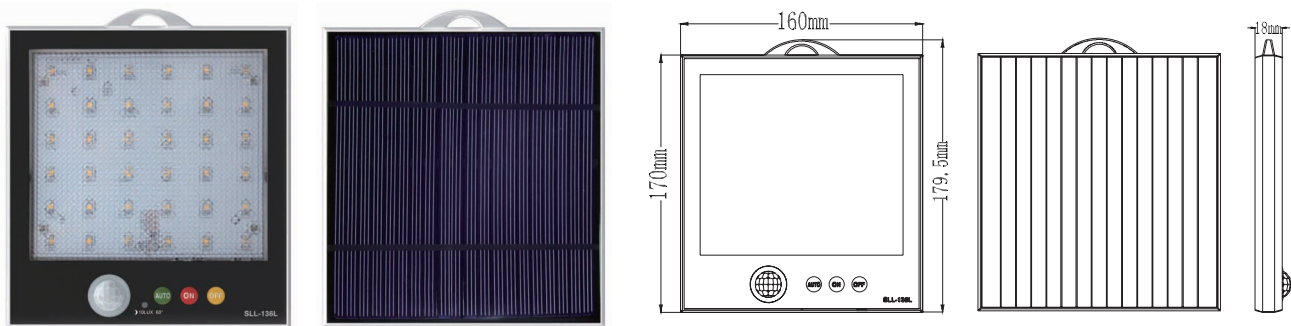


LX-SLL136L Low-Power Solar Infrared Sensor Light Instruction



Packing items

- 36 LED matrix light / motion detector
- Adapter
- USB data lines
- USB transfer cable
- User Manual



Adapter 100V-240V Convert 10V



USB data lines



USB transfer cable

Summary

LX-SLL136L is a PIR sensor LED lamp, which takes solar energy as the main source and uses the lithium cell as the back-up power and which also uses PIR sensor to achieves digital energy-saving control. Moreover, its lightweight and thin design makes it much more convenient to be used in certain situations, such as field trip, camping, repairing automobile lighting in dark, power failure from earthquake or electric power circuit repair etc. LX-SLL136L is also an ideal substitute for charge power supplier in outdoor emergency, used for mobile phone, camera, MP3, MP4 etc, for LX-SLL136L itself carries spared lithium cell and external connected solar panel. LX-SLL136L adopts the PIR sensing technology to achieve the energy-saving, that is, in AUTO state, it will auto-detected the motion signals and light on, and will light off if you leave away. In ON condition, it can auto detect whether there are motion signals within the detection range to adjust the light intensity, which helps to extend the time of power supply. LX-SLL136L is an ideal and multifunctional intelligent PIR sensor lamp and it will become more and more important for daily living and travelling.



Indoor



Auto repair lighting



Outdoor camping lighting

Specifications

Solar energy battery tag: 10VDC/3W

Rated load: 2.8W Max.

Power adapter: DC10V 0.5A

Internal lithium cell: 7.4V 1800mA/h

Light source: 36PCS LEDs

System control chip: MCU

Detection range : >12m

Time setting("AUTO "induction trigger):

10sec/night, 60sec/10lux

Induction working time(manual trigger ON:constant): >4hours

Working time (No manual trigger ON): >8hours

Detection angle: 140°/120°

Coverage: 180° sensing angle

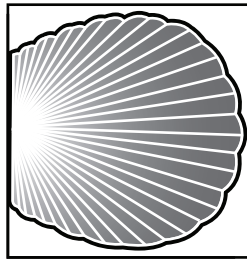
Working temperature: -15~+40°C

Charge temperature (solar charge): <60°C

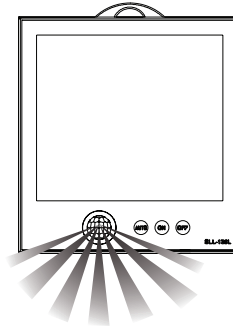
Charge requirement and time (solar charge): >6000lux, 8hours

Primary charge time(use power adapter to charge): >15hours

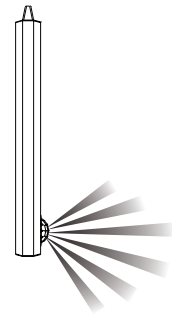
Sensor information



>12m
Detection range



140°
Detection angle



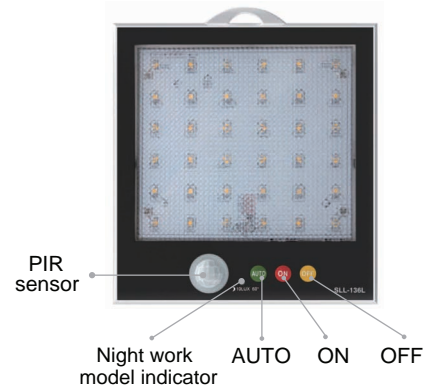
120°
Detection angle

Application and attentions

Considering of the loss of the quantity of electricity of inner battery in the process of production and long-playing transportation, so we would better charge up the battery before operation. The primary charge time should over 15 hours, in this way, it will help the battery recover fully and increase the life of battery.

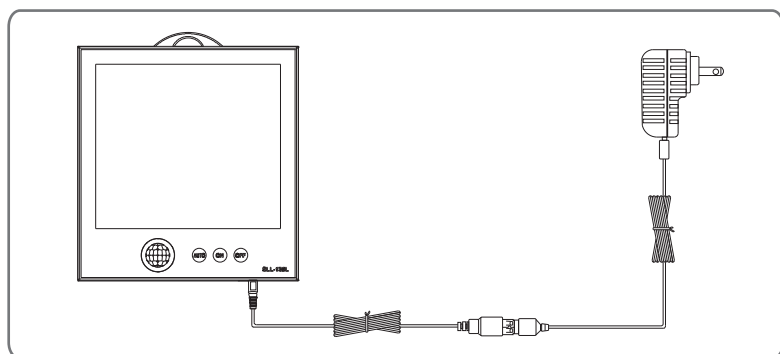
1. The procedure of application

When taking the product from packing box, firstly, we should press "ON" once in order to test whether the light is ok or not. If you just see the LED indicator light is working not whole light system, we can confirm the quantity of electricity of inner battery is not enough and should start to charge immediately. Here can we recommend we would better connect up the charger , in this way, we can test whole light system. When it works normally, you can charge as you test the function according to the instruction. The Detailed procedure of operation as follow.



2. The way of charging

There are two ways: one is direct charging using sun, the other is to use the power adapter to charge. Considering of the unsure luminance of sun and the significance of first charge, we recommend we would better use the power adapter to finish the first charge.



Induction test

Press the "AUTO" once and the light will turn on, and then fully cover the lens with towel or other thicker paper (the instruction of the product is ok), we will find the light will turn off automatically after approx.10sec,if you take away the towel or other covering, the light will turn on automatically. Next cover and take away will repeat the process ,we call it the short time test and it has no any requirement to the ambient light. If you hope it to work in night, you can press the "AUTO" again, and then you will see the LED indicator light located in the side of it will start to work, after approx.2sec, the indicator light will be off automatically, and then the product has been under night mode, at this time, you could place the product in a environment where the luminance is below 10lux, and then the sensor starts to work and you will find the light switches on. In this period, people must keep far away from the detection zone, the light will be auto off through the 60sec delay-time. Any movement detected before this time elapse will re-start the timer. If detect the movement exist in whole process, the light will keep on at all times.

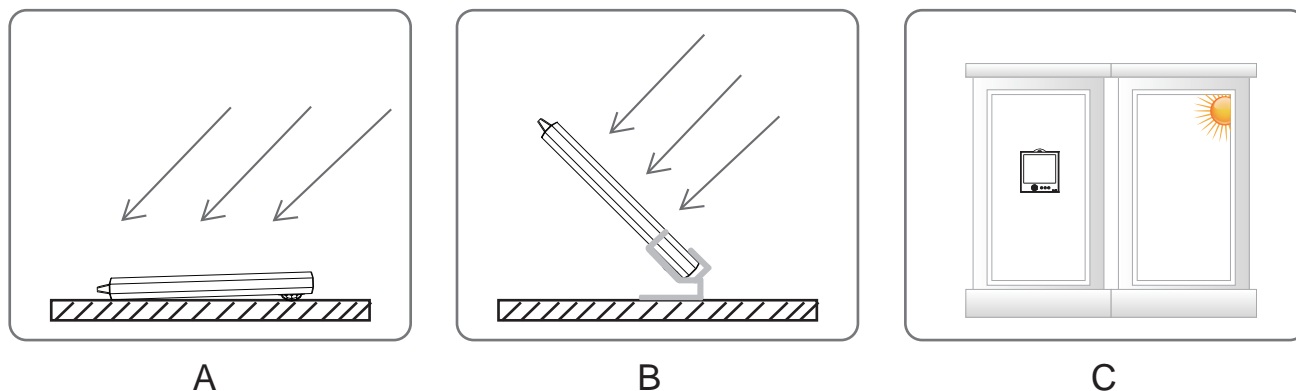
Attention: only when the luminance is below 10lux, the product can work under night mode. Therefore, we have to keep it away from the environment where the luminance is above 10lux such as some places where the street-light or other rays can make a direct beam.

Reasonable application

Charge

1. The procedure of application

- A. Please keep the whole back of product flat under sun to charge.
- B. Please keep the whole back of product fully to aim at the sun to charge.
- C. Please hang the product on no opaque glass window and keep the whole back face to the sun to charge.



A way is optional and convenient and is recommended to use.

B way: please be sure that the whole front of product fully aim at the sun, in this way, the product will get much more energy.

C way: when use the C way, please check whether enough and ideal sun to radiate into the user environment or not, also check the glass window is no opaque or not, otherwise, the affection of charging is bad and the long-time inadequate charging will seriously affect the life of battery.

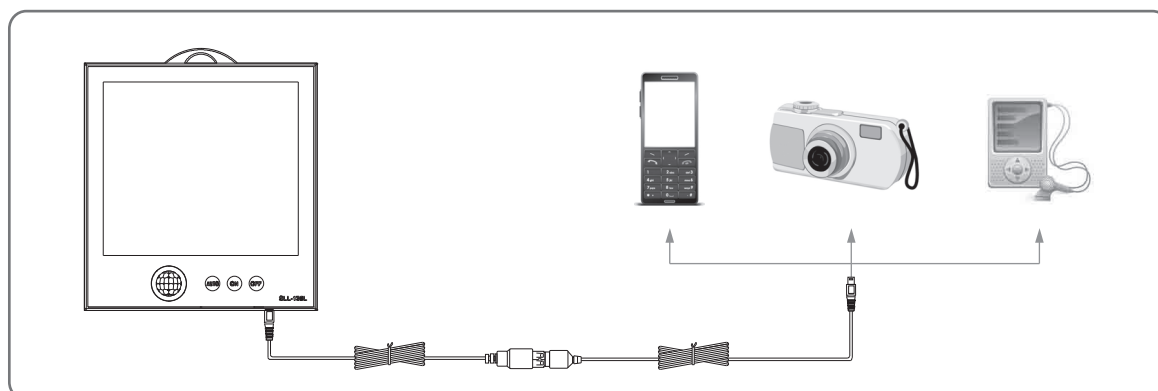
2. Charge using the power adapter

When the sun is not enough or the electric quantity has run out or when the use worry the electric quantity and want to supplement, we can charge up the battery using the power adapter adherent to the product.

3. Charge up other equipments

LX- SLL136L can be used as a charge power supply. When your electric quantity of mobile phone or camera has run out in camping or travelling, you can take the LX- SLL136L as a power supply to supply electric quantity to these compact electronic products only by a exchanging connection wire, also charge up them. In some emergent conditions, with its help, you can recover the communication and maybe save your life.

Put on three times "OFF" button, the product foreign equipment 5 V output voltage, and then press "OFF" key will stop charging foreign equipment, "ON" button and "AUTO" key function is still effective.



The scope of application

Due to the light and thin design of LX- SLL136, so it is an ideal solar energy remove light and is widely used in field trip, camping, Night repair lighting of car. Considering the feature of solar energy battery, it will be much fitter in some country where the sun is enough.



LX-SLL136L also has the warning function, press on three times "ON" button to enter warning state. When you press one time "AUTO" button , press two times "ON" button, this product enter the alarm condition, induction to human body moves in the light of the pearl shine, have warning role. Press the "OFF" button to cancel the alarm condition.

This product is used for remote for help and warning, flashing lights low power consumption, ensure products work long time continuous.



Problems and solutions

1. The product doesn't work:

- The whole light doesn't work when press "ON".
Firstly, we should check whether the LED indicator blinks or not, if you don't see the whole light work but the LED indicator only works, and then we can confirm the electric quantity of inner battery has dropped to the lower limit value should supplement the electric quantity.
- No any response appears when press "ON" .
We should try to charge up the product for 5minutes by the power adapter when there is no any response with pressing the "ON", afterwards, press the "ON" again to check whether there is response or not . If there is response, we can be sure the previous phenomenon is caused by the inner battery that has run out , we need to recover the electric quantity and make sure the charging time over 15 hours.

2. The sensor sensitivity is low:

- In night work mode, critical masses of light-control LUX maybe result in low sensor sensitivity. At this time, please place the product in a dark place to adjust, till the product works normally.
- Excess temperature also can lower the sensor sensitivity of human .When the ambient temperature exceeds 30°C,the sensitivity will start to drop. The higher the temperature, the lower the sensitivity, therefore, we should pay more attention to the law.

3. The product works all times in day and night:

The state usually result from the improper operation. For example, set the product in the AUTO mode that called short time sensor mode in day. At this moment, we should press "AUTO" once again, you will find the LED indicator located in side lights and auto off through 2sec, and then the night mode starts to turn on .The light will automatically come into the sensor mode with the setting value taking on, when human left the detection zone approximately 60sec, it will be off automatically.

4. The sensor cannot automatically shut off the lamp:

Please be sure the function knob is set in "AUTO" and there is no any human movement in the detection zone, through a long time, if the light is not always auto off, please move the light to another place to adjust .However, the same states will take on again, we can more or less believe the light is off normal, otherwise, the strong disturb existing around the light can lead the sensor to make a wrong induction and lead the light not to be auto off. User could find out the cause according above method.

Special notes: Please avoid some places where the air temperature near the sensor lamp change obviously, also can find some electrical sparkle electromagnetic interference around it, they maybe lead the product to come into a wrong induction.

5. Charge up the light and directly charge up exterior equipments:

- Charge up the light by power adapter.
Charge up the LX-SLL136L by power adapter, if not charging normally, firstly, we should check if the connection between the adapter and connection wire is good . Meanwhile, insert the plug cord into the light and check whether the red LED indicator blinks. If the indicator light doesn't blink, maybe the plug cord or adapter is not connected normally, or the power adapter has been bad.
- Directly charge up exterior equipments by the product.
When directly charge up exterior equipments by the product, we should assure the connection between power convert wire and the product that be charged is very well. If not charging, please check whether the connection is good or not, also check if the charging indicator position of these products charged is in the condition of charging. We believe it will normally charge up exterior equipments as long as all connections are ok!

Notes

1. Please keep the LX-SLL136L away from the rainwater that will cause the inner circuitry to damage.
2. Please keep the photovoltaic panel face to the sun when charge up the product, because the glass and other transparent Materials can obstruct the energy from sun and will extend to charge up the product.
3. The product shouldn't be used in the zones the air temperature changes obviously: for example, air conditioning and air heating.



Warning!

- Please confirm with professional installation.
- For safety purposes, please cut off power before installation and removal operations.
- Any losses caused by improper operation,the manufacturer does not undertake any responsibility.

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

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