

Anti-mosquito LED bulb 8W 3000K - Product Manual



1. Principle of Anti-mosquito

When entomologists study the physiological characteristics of mosquitoes, they find that mosquitoes are particularly sensitive and fond of certain light waves, and particularly disgusted by other light waves. Mosquitoes under the individual light wave will appear in states such as disorderly flying and decreased vitality. The series of Anti-mosquito LED lamps produced by our company has yellow green with red light, which can instantly generate a large amount of light that mosquitoes don't like, so as to achieve the effect of repelling mosquitos.

2. Features

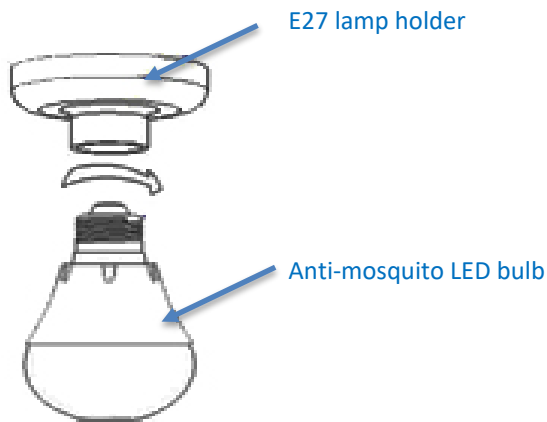
- 2.1. The Anti-mosquito spectrum of this product adopts the special spectrum technology of RICO. The visible light emitted does not contain high-energy blue light and purple light components, and has no harm to the eyes and skin of humans and animals. It is an environmentally friendly product. It has passed domestic professional experiments. According to laboratory testing, the Anti-mosquito rate is as high as 91.5%. It is the most safety and environmentally friendly high-efficiency physical anti-mosquito product both domestic and foreign.
- 2.2. The product adopts a wide voltage design to meet the needs of domestic and overseas markets.
- 2.3. The product adopts high-efficiency LED special spectrum and flicker-free technology, which is energy-saving, safe and environmentally friendly.
- 2.4. Unique light source design, the light is mild and not dazzling.

3. Product parameters

| | |
|---------------------|-------------------------------------|
| Product name | Anti-mosquito LED bulb |
| Product number | RICH-QW-B08 |
| Color temperature | 3000K (±10%) Yellow Green Red color |
| Voltage | AC85-265V (Built-in transformer) |
| Frequency | 50/60Hz |
| Power | 8W |
| Waterproof level | IP40 |
| Ambient temperature | -40°C~55°C |
| Material | Plastic clad aluminum |
| Lamp holder | E27 |
| Dimensions | φ65*121mm |
| Net weight | 0.1KG |

4. Installation

This product must be installed and used in E27 lamp holder, please see the picture below;



5. Installation location

This product can be directly installed on the indoor ceiling or wall lamp holder. The installation height is generally about 2~3 meters and the effect would be better; if it is to be installed outdoors, it must be installed in a waterproof lampshade.

- 5.1. Outside the entrance and exit of the room, the top of the balcony, etc.;
- 5.2. Public corridor access in the community;
- 5.3. It can be used in conjunction with post lamps, garden lamps, lawn lamps, etc.

6. Applicable place

Indoor and outdoor public places, farms, parks, residential areas, kindergarten, hotels, villa & guesthouse, stores on the first floor, restaurants, animal farms, etc.

7. Effective range of Anti-mosquito

8W Anti-mosquito LED bulb could for about 8 m² (square meter) Equivalent to 1 watt/1 square meter.

8. Notes

- 8.1. **The product is NOT for lighting.**
- 8.2. The product cannot be used in DC power.
- 8.3. This product has no waterproof, please use it in a dry environment, do not use it directly in an outdoor environment.
- 8.4. During installation, Anti-mosquito LED bulbs must be tightened well with the E27 lamp holder, so the LED lamp won't fall.
- 8.5. One-year warranty.

9. Safety warning

- 9.1. **Cannot be used with dimmers.**
- 9.2. This product is for indoor use only.
- 9.3. Can not wash this product with water, avoid direct exposure of the product to rain.
- 9.4. When servicing and repairing light fixtures, make sure the power is off.
- 9.5. To avoid danger, once the product is damaged, please send it to the manufacturer or a professional maintenance center for repair.

10. Anti-mosquito quiz

- 10.1. How effective is it to use Anti-mosquito lamps?

The Anti-mosquito lamp has a repellent rate of 91.5%, which is the highest mosquito avoidance effect currently available in China. After installing the Anti-mosquito lamp, you will notice a significant reduction in mosquitoes. They will be afraid of the light and try to hide in dark corners such as wall angles or furniture, resulting in fewer mosquito bites. It takes some time for mosquitoes to change their movement patterns, so initially, they may try to return to their original location even if they dislike the repellent lamp. However, after a few days, the mosquito population will decrease, and with patience and consistent use for about a week to two weeks, you can achieve a comfortable environment. Long-term use will yield even better results.
- 10.2. Can Anti-mosquito lamps be used with other lamps?

Most conventional lighting fixtures emit a significant amount of blue light and a small amount of purple light, both of which can attract mosquitoes (phototaxis) and interfere with the effectiveness of the Anti-mosquito lamp. Therefore, it is recommended to turn off other lighting fixtures when using the Anti-mosquito lamp in the evening.
- 10.3. Why are there some small flying insects when using the Anti-mosquito lamp?

The spectrum of the Anti-mosquito lamp has a strong light-avoidance effect on mosquitoes. However, it can attract certain small insects such as small moths and winged termites that are phototactic and are attracted to various types of light. These insects are not mosquitoes, so there is no need to worry. If you prefer to avoid these small insects, you can choose the mosquito and insect-killing lamp, which can repel mosquitoes and eliminate these small insects.
- 10.4. How to use the Anti-mosquito lamp to be used for better effectiveness?

We recommend following these steps:

 - 10.4.1. Clean the room: Before the mosquito season arrives, it is recommended to thoroughly clean and organize the room. Using insecticides to kill mosquitoes and eliminate mosquito eggs is particularly important to prevent large-scale mosquito breeding and increase the difficulty of mosquito control later on.
 - 10.4.2. Sufficient brightness: The Anti-mosquito lamp is most effective when it emits sufficient light. It is recommended to install the lamp at a height of around 2 meters. Generally, for larger spaces, a higher wattage Anti-mosquito lamp should be selected to achieve better effectiveness
 - 10.4.3. Installation location: It is recommended to install the Anti-mosquito lamp in areas with frequent human traffic, such as outside the main entrance of the room, on the exterior walls or ceiling of balconies. Additionally, it is strongly advised to install window screens indoors to prevent mosquitoes from entering.