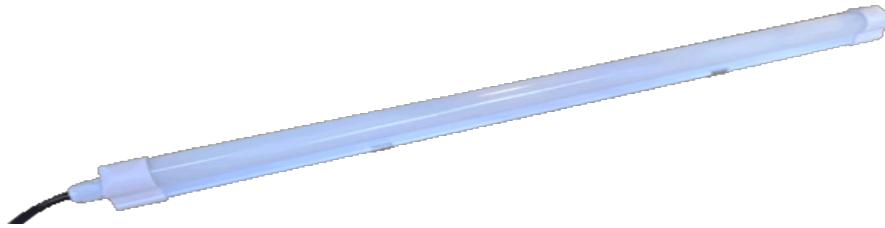


Anti-mosquito T8 integrated LED tube 3000K - Product Manual



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. Mosquito individuals under this light wave will appear in states such as disorderly flight and decreased vitality. The LED series anti-mosquito lamp produced by our company has warm white light, which can instantly generate a large amount of light that mosquitoes don't like, so as to achieve the effect of repelling mosquitoes.

2. Features

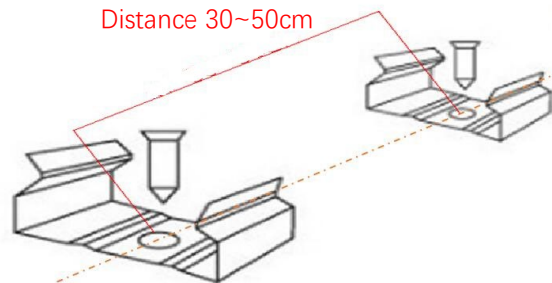
- 2.1. The anti-mosquito spectrum of this product adopts the special spectrum technology. The visible light emitted does not contain high-energy blue light and purple light components, and has no harm to the eyes and skin of humans and animals. It is an environmentally friendly product. It has passed 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 an integrated waterproof design, equipped with waterproof connectors, and the waterproof level reaches IP65, which can be directly exposed to rain or washed with water.
- 2.4. The product adopts high-efficiency LED special spectrum and flicker-free technology, which is energy-saving, safe and environmentally friendly.
- 2.5. Unique light source design, the light is mild and not dazzling.

3. Product parameters

Product name	Anti-mosquito T8 integrated LED tube	
Product number	RICO-QW-T8-60	RICO-QW-T8-120
Color temperature	3000K(warm white light)	3000K (warm white light)
Voltage	AC85-265V	AC85-265V
Frequency	50/60Hz	50/60Hz
Power	10W	20W
Waterproof level	IP65	IP65
Ambient temperature	-40°C~55°C	-40°C~55°C
Material	Aluminum + PC tube	Aluminum + PC tube
Connector	Waterproof connector	Waterproof connector
Dimensions	Φ32*600mm	Φ32*1200mm
Net weight	0.19KG	0.295KG

4. Installation steps

- 4.1. Fix the installation buckle carried with the lamp to the position where the lamp needs to be installed with screws (such as the wall, plasterboard, wood board, etc.), and the buckles with length L=600mm, the distance between them is about 30-50cm; for buckles with length L=1200mm, the distance between them is about 80-100cm, and the two buckles must be on the same straight line. Please see the picture below:



- 4.2. After installing the buckles, install the non-luminous side of the lamp into the buckle, and pull it to ensure that it will not fall off. Please see the picture below:

Anti-mosquito T8 integrated LED tube



- 4.3. Power-on test: Connect the AC live wire to the brown wire of the lamp input line, connect the AC neutral wire to the blue wire, then power on for testing.

5. Installation location

This product has outdoor waterproof function and can be directly installed on the indoor or outdoor ceiling or wall. The installation height is generally about 2~3 meters, and the effect is better.

- 5.1. It can be installed outside the entrance and exit of the room, on the top of the balcony, and can also be installed under the desk, tea table top, etc.;
- 5.2. It can be installed in outdoor benches, guardrails and other places such as community outdoors, scenic areas, parks, etc.

6. Applicable place

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

7. Effective range of anti-mosquito

10W anti-mosquito LED lamp could for about 8 to 10 m² (square meter); 20W anti-mosquito LED lamp could for about 16 to 20 m²(square meter)

8. Notes

- 8.1. **The product cannot be used in DC power.**
- 8.2. During the installation process, the anti-mosquito lamp must be fastened with the buckles to fix the lamp body to prevent the lamp from falling.
- 8.3. When installing and maintaining lamps, the power must be disconnected first.

9. Safety warning

- 9.1. **Cannot be used with dimmers.**
- 9.2. This product is waterproof and can be used indoors and outdoors, but it cannot be used in water.
- 9.3. When servicing and repairing light fixtures, make sure the power is off.
- 9.4. 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 in the room 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 to 3 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.