

# LN001 Mosquito Trap

type of power	quotation(FOB Ningbo)
230V or 120V high voltage	
12V low voltage	



## TECH SPEC

### In the Box:

- Power converter UK/EU plug  
2m Low voltage cord
- 1 x RapidAction attractant
- Owner's Manual  
UK/DE/SE/FIN/NO

### Attract mosquitoes:

- UV-light
- Heat
- Octenol / Lactic Acid
- Catalytic CO<sub>2</sub>
- Color

### Area coverage:

- Cover a radius of 4m
- Area: 50m<sup>2</sup>

### Accessories:

- RapidAction LN Lures
- RapidAction UV-Tube
- 12V Car Adapter
- Power converter 110/230-12V
- DC 12V Fan

### Store Units:

- Weight: 2 kg
- Dimensions: 16 x 16 x 30 cm

### Approvals:

CE, UL, RoHS, CSA

### Power:

110/230/-12 Volt 15W

## How does the LN001 lure the mosquitoes

### 1. Lactic acid.

L-Lactic Acid is attractive to mosquitoes, L-Lactic acid emanations from humanskin are a major factor in determining the relative attractiveness of different human hosts to mosquitoes, and the attractivity of L-Lactic Acid is concentration dependent.

### 2. Octenol.

A natural, food grade ingredient that simulates human body odour. This odour is highly attracting for the mosquitoes. Octenol are mixed with wax and included in the Rapid Action scent lure cartridges.

1-Octen-3-ol (octenol) as a pesticide active ingredient, is used in attracting certain species of mosquitoes and biting flies (e.g., no-see-ums) but the chemical itself does not kill insects. Octenol may also be used in conjunction with carbon dioxide together with electronic devices that in turn kill the trapped insects. Note that both pest and non-pest insects may be attracted and killed by some devices. The devices themselves are not regulated by the EPA. Octenol, when released into air, is not harmful to humans, to other non-target organisms, or to the environment. There is the potential for toxicity if ingested. Therefore, the amount of octenol accessible to children is evaluated for each product before an octenol containing product is registered by the EPA.

### 3. UV-light.

Mosquitoes can see the UV light spectrum over great distances and are attracted to its source.

### 4. Carbon dioxide (CO<sub>2</sub>).

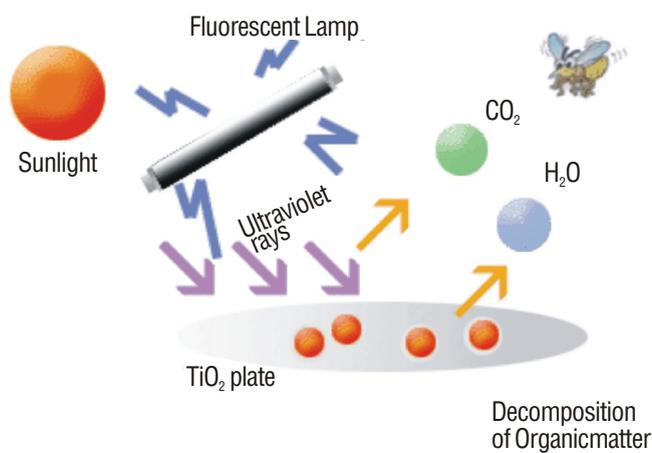
Mosquitoes have a highly developed sense of smell and can seek out their prey over great distances. They are attracted by the carbon dioxide (ex-haled air) and moisture of the human breath. Through a catalytic process of titanium chloride in combination with UV light, the mosquito trap dispenses small amounts of carbon dioxide and moisture to boost the mosquito's attraction to the trap.

### 5. Black colour.

The trap's colour is black, mosquitoes are attracted to dark colours.

### 6. Heat

at signature. Mosquitoes see and feel the heat that our body gives off. The trap features a heat surface which is approximately the same temperature as human skin. This offers credible landing zone for mosquitoes and biting insects.



## Photocatalyst Reaction

### What is TiO<sub>2</sub>

TiO<sub>2</sub> is Titanium dioxide, particularly in the anatase form, is a photocatalyst under ultraviolet (UV) light.

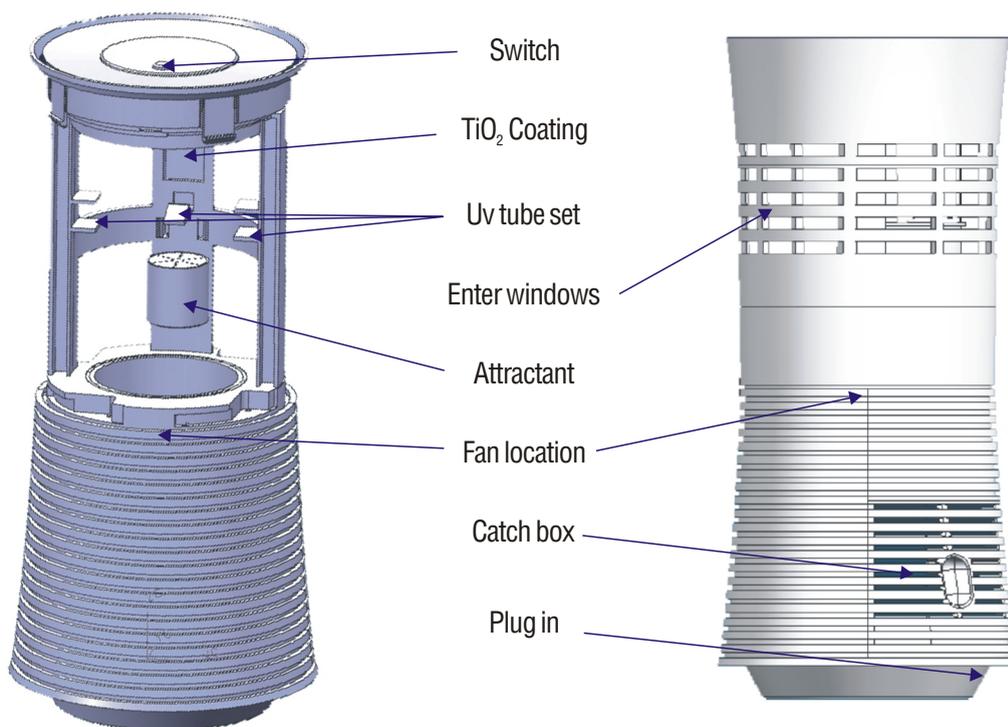
Any supplier declare TiO<sub>2</sub> is an attractant to mosquito, it is a joke. TiO<sub>2</sub> will produce CO<sub>2</sub> and H<sub>2</sub>O when in the UV light, and the CO<sub>2</sub> and H<sub>2</sub>O is an attractants to mosquito.

### how long will TiO<sub>2</sub> last

TiO<sub>2</sub> is a photocatalyst, it will not reaction during the chemical process, so the TiO<sub>2</sub> in our trap will last at least 2years

### How does the reaction to produce the CO<sub>2</sub>+ H<sub>2</sub>O

please read the left picture, it will show you how it produce the CO<sub>2</sub>+ H<sub>2</sub>O



**The design is perfect**

we invited an European team design our LN001 mosquito trap, the design is perfect, will fit most customer's seek to beautiful. And beside catch mosquitoes it can also use as night light.



**the catch effective is perfect**

we use most factors to lure mosquito, and catch them by fan in the catch box, the effective is good.

**The replace for Attractant and Tube is convenient**

it is easy to replace the attractant and the UV tube, only take off the enter window, we will replace the attractant and UV tube easily

