

PLT-UV365

Mosquito Attraction Lamp Series

 $\lambda = 365\text{nm}$ 

● Key Features

- It can simulate the spectral characteristics of human sweat volatiles, attracting mosquitoes to fly towards the light, thereby forming an efficient trapping area over a longer range.
- It has a strong attraction to mosquitoes, but its penetration is weak and will not cause direct harm to human skin and eyes.
- Using physical methods to eliminate mosquitoes does not require the use of chemical agents, and it is non-polluting to the environment and human body. It is an environmentally friendly way to control mosquitoes.
- From the home to commercial settings, 365nm ultraviolet mosquito-killing lamp tubes have a wide range of applications, such as household mosquito control, yard mosquito eradication, and kitchen mosquito elimination equipment in catering chains.

● Application Scenarios

- Family
- Hotel
- Shopping Mall
- Shopping Center
- Farm

● Operational Requirements:

- Power supply type: built-in non-isolated power supply
- Installation method: G13 lamp holder/bracket installation
- Working temperature: -25°C~45°C
- Power supply mode: single-ended input / dual-ended input [optional]

Product Advantages

- Efficient trapping
- High safety
- Environmental protection without pollution
- Easy to operate
- Low cost

● Service Life Specifications

- *Rated Service Life:* 20000h
- UV Intensity Decay at Rated Service Life: ≤30%@365nm

Mechanical structure parameters

Model	LED Board Material	Lamp Head Material	Lamp Holder	Number of LED beads	Lamp beads specification	Tube surface treatment
PLT-UV365-T8Z589T-10W	Aluminum	Metal	G13	30PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z589M-10W	Aluminum	Metal	G13	30PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z589F-10W	Aluminum	Metal	G13	30PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z437T-7W	Aluminum	Metal	G13	22PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z437M-7W	Aluminum	Metal	G13	22PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z437F-7W	Aluminum	Metal	G13	22PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z331F-5W	Aluminum	Metal	G13	14PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z331F-5W	Aluminum	Metal	G13	14PCS	Built-in 2835 0.5W single-die	Transparent glass
PLT-UV365-T8Z331F-5W	Aluminum	Metal	G13	14PCS	Built-in 2835 0.5W single-die	Transparent glass

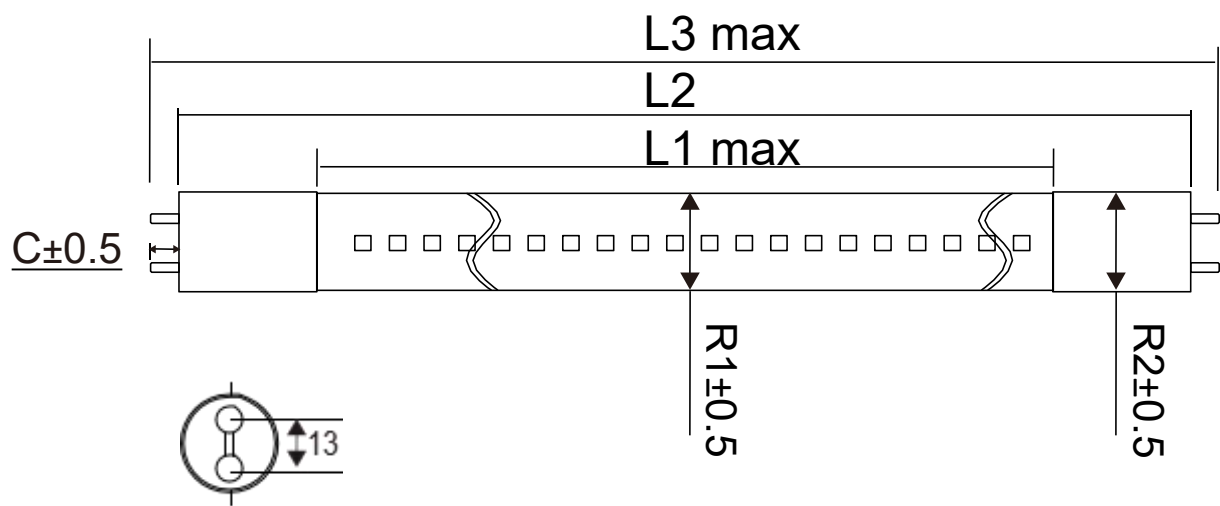
Lamp electrical parameters

Model	Power	Voltage	Input current	Power factor	UV Irradiance
PLT-UV365-T8Z589T-10W	10W	110-240V	45mA±10% @AC220V	0.5/0.9	≥90μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z589M-10W	10W	110-240V	45mA±10% @AC220V	0.5/0.9	≥90μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z589F-10W	10W	110-240V	45mA±10% @AC220V	0.5/0.9	≥60μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z437T-7W	7W	110-240V	35mA±10% @AC220V	0.5/0.9	≥60μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z437M-7W	7W	110-240V	35mA±10% @AC220V	0.5/0.9	≥60μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z437F-7W	7W	110-240V	35mA±10% @AC220V	0.5/0.9	≥30μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z331T-5W	5W	110-240V	25mA±10% @AC220V	0.5/0.9	≥30μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z331M-5W	5W	110-240V	25mA±10% @AC220V	0.5/0.9	≥30μw/cm ² @365nm (h=1m)
PLT-UV365-T8Z331F-5W	5W	110-240V	25mA±10% @AC220V	0.5/0.9	≥18μw/cm ² @365nm (h=1m)

Cautions for Use

- Power supply mode: Dual-end input / single-end input (customizable)
- Before installation, it is necessary to cut off the power.
- Use ambient temperature ≤ 40 degrees Celsius

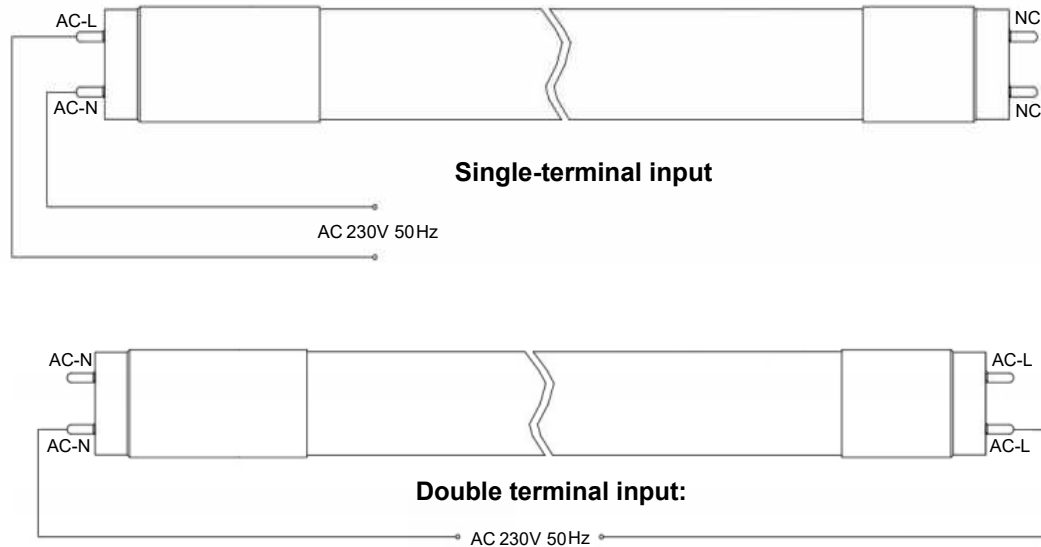
Lamp tube mechanical dimensions



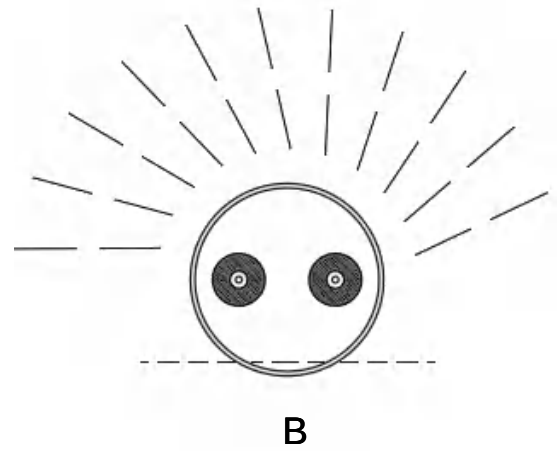
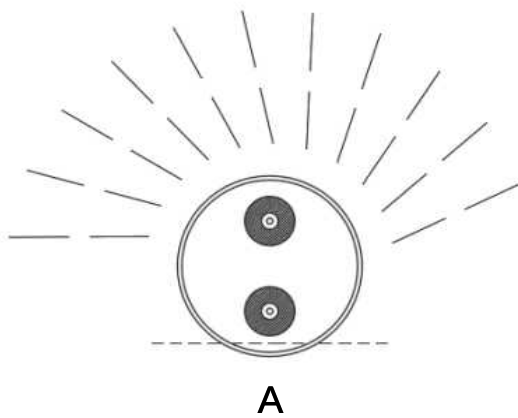
G13 Connector

Model	Board length (L1)	Pipe length (L2)	Total length (L3)	Plate diameter (R1)	Pipe diameter (R2)	Pin length (C)
PLT-UV365-T8Z589T-10W	505	589	604	25.5	26.5	8
PLT-UV365-T8Z589M-10W	505	589	604	25.5	26.5	8
PLT-UV365-T8Z589F-10W	505	589	604	25.5	26.5	8
PLT-UV365-T8Z437T-7W	360	437	451.6	25.5	26.5	8
PLT-UV365-T8Z437M-7W	360	437	451.6	25.5	26.5	8
PLT-UV365-T8Z437F-7W	360	437	451.6	25.5	26.5	8
PLT-UV365-T8Z331F-5W	255	331	345	25.5	26.5	8
PLT-UV365-T8Z331F-5W	255	331	345	25.5	26.5	8
PLT-UV365-T8Z331F-5W	255	331	345	25.5	26.5	8

Installation schematic diagram and custom content



Terminal and light source customization content



A : The luminous surface of the light source of this product is perpendicular to the copper needle square of the G13 lamp head:

B : Customizable light source surface with G13 lamp head copper needle for horizontal direction

Optical attenuation and wavelength plot

