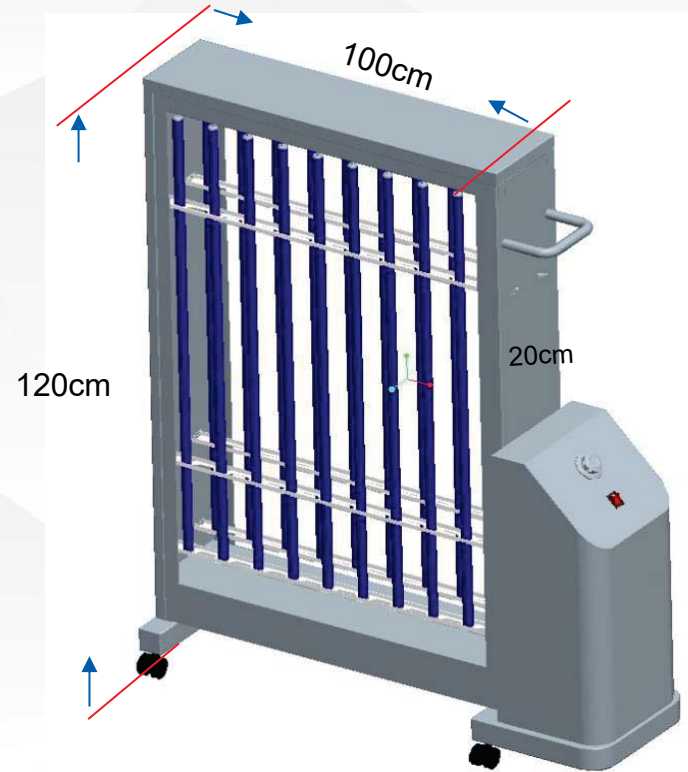




## Product Specifications



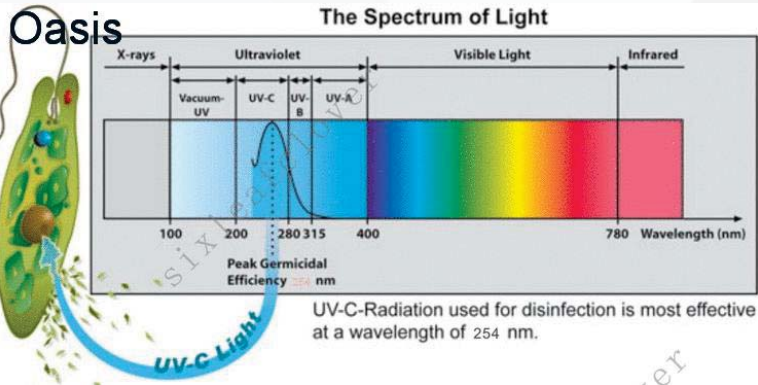
- Product Name: Microwave UV Sterilization Lamp
- Rated Power: 1KW
- Rated Voltage: 220V
- Rated Frequency: 50Hz
- UV Wavelength: 185nm, 254nm
- Lamp Lifetime: 30,000 hours
- Sterilization Rate:  $\geq 99\%$ ,
- Control Method: 12s Delay Switch
- Effective Area: 30 ~ 150m<sup>2</sup>





## Sterilization Principle

- Microwave drives UV lamp to produce 185 nm and 253.7 nm UV radiation.
- UV radiation at 185 nm decompresses oxygen to produce ozone, a natural sanitizer and deodorizer. Ozone can kill bacteria and viruses by oxidizing their organelles, DNA and RNA.
- 253.7 nm ultraviolet light is easily absorbed by the protein and nucleic acids of microbes and can kill microbes by denaturing their protein as well as destroying their DNA and RNA.
- UV and ozone are widely recognized as means of preventing the spread of Coronavirus. UV lamp is also typically seen in healthcare facilities and hospitals, being used to disinfect air and surfaces in rooms.





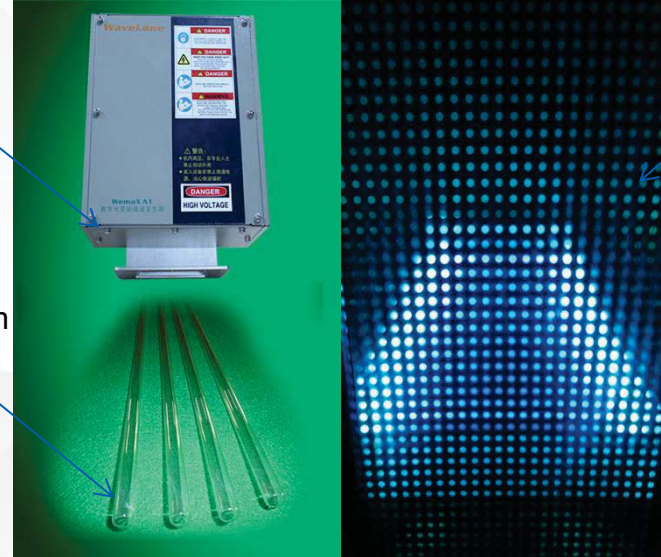
## Product Principle- The difference between microwave-driven and traditional rectifier-driven UV lamp

**Advantage 1: Microwave-driven UV lamp can generate stronger UV rays.**

**Advantage 2: Tenfold lifetime over a conventional fluorescent tube and 56% less power consumption**

Inverter microwave

Electrodeless UV lamp with the wavelength of 185nm and 254nm

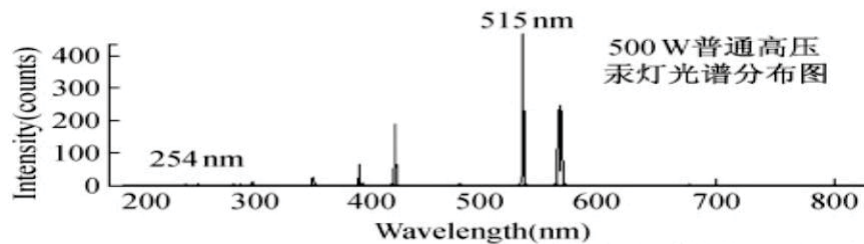
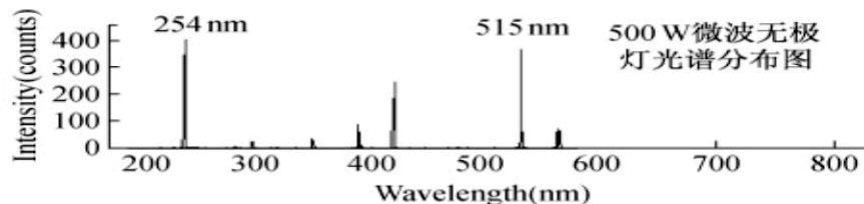


microwave Shield net



## Advantage 1: Microwave-driven UV lamp can generate stronger UV rays.

- The intensity of UV rays driven by microwave is not limited by fluorescent powder.
- Microwaves can generate 254nm UV rays more efficiently with high-frequency oscillatory power.





## Advantage 2: Tenfold lifetime over a conventional fluorescent tube and 56% less power consumption



Electrodeless  
Fluorescent Tube

Electrodeless tube has a lifespan of 50,000 hours, because it is not affected by electrode oxidation.



Traditional  
Fluorescent Tube

15 traditional tubes need 15 rectifiers and the overall power is up to 1.5KW.



15 electrodeless tubes only need one microwave power and the overall power is 1KW



## Product Feature

**100% safe**

- The power supply is FCC compliant.
- Remote control, time delay switch

**Sterilization efficiency**

**≥99%**

- UV and ozone widely recognized as effective disinfection methods
- National high-tech enterprise, disinfection production certificate
- National CMA authority test

**Required disinfection time**

**≤ 15 minutes**

- 15 UV fluorescent tubes, super strong UV rays
- The lamp is activated within 3 seconds

**Effective area ≤ 150 m<sup>2</sup>**

- UV + Ozone dual effect
- Goes with a grip and 4 wheels, convenient to move around





## Application Area



Hospital



Office



School



Shopping Mall



Warehouse



Factory