

Portable led ultraviolet germicidal lamp



99.9%
Bactericidal rate
 λD 250-280nm

According to the wavelength, ultra violet (UV), the light is usually distributed in UVA (315nm-400nm), UVB (280nm), and the wavelength UVC band is also known as the "day blind" band. Due to the strong absorption of ozone in the atmosphere, there is almost no UV in the near Earth Solar spectrum. The main applications of UVC include disinfection / purification of water / air / surface, analytical instruments (spectrophotometry, liquid chromatography, meteorological chromatography), and mineral analysis. UVC band is short in wavelength, high in energy and can destroy the molecular structure of microbial organism (bacteria, virus and other protopathogen) cells in a short time. By destroying the DNA and RNA of microorganisms to prevent their propagation, it can achieve efficient and rapid spectral sterilization effect, so as to sterilize water, air and object surface and make the cells unable to regenerate. Therefore, it is widely used in water, air and other fields Sterilization and disinfection. The data shows that only 30 MW / cm² UVC irradiation can kill almost 100% of the bacteria in a second, which is very significant and can be widely used in the field of medical and health care. In the field of personal health and family health, ultraviolet light can be used for disinfection of water cups, bowls and chopsticks, air purification and sterilization, killing mites, sterilization and deodorization of shoes and socks, sterilization of baby bottles and so on. There are countless applications.

Portable led ultraviolet germicidal lamp

Led ultraviolet germicidal lamp and traditional mercury lamp, ozone germicidal lamp

Comparative advantage

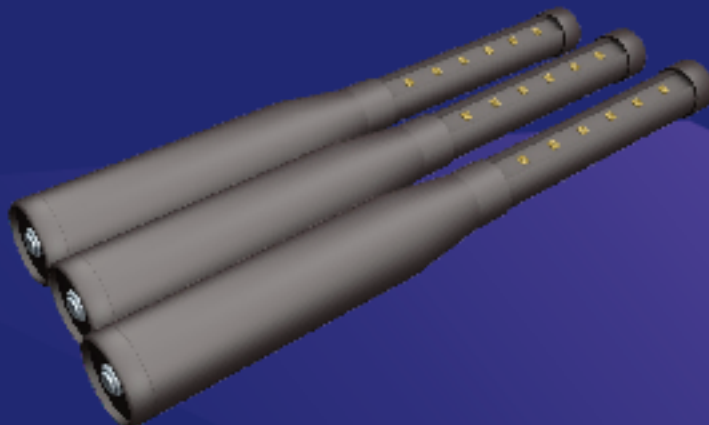
1. Environmental protection

Purple led: no heavy metal, very safe to use.

Mercury lamp: Mercury is a heavy metal, which can evaporate under normal temperature. It contains highly toxic (evaporation). In the process of use, once the lamp tube breaks, it will cause serious environmental pollution. Moreover, governments all over the world are launching the action of mercury prohibition.

2. Energy saving

Purple led sterilization lamp is gradually replacing mercury lamp, with the same sterilization intensity. The power of purple LED is 1 / 10 of mercury lamp, which is very energy-saving.



Preventive sterilization • Effective sterilization

Thousands of bacteria Where to worry about sweeping



Towel, bath towel

It is easy to get wet, often seeps, breeds bacteria and smells bad



Clothing

Rainy season Winter changes season, clothes are absent



Sheets, pillows

You may sleep in a hotbed of bacteria and mites every day.



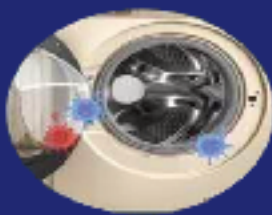
Toilet, toilet

The number of bacteria in the newly flushed toilet is still as high as 100000



Kitchen

Disease comes from the mouth, health is taboo



Washing machine

The bacteria that can't be removed



Keyboard, mouse, mobile

More frequent use, more bacteria



Refrigerator

The virus likes cold and is afraid of heat. It is very easy to breed bacteria when refrigerated.

Suggestion: 3cm distance, uniform back and forth sweeping 5-6 times to complete disinfection

Preventive sterilization • Effective sterilization

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Led ultraviolet disinfection

Quickly kill all kinds of common germs of "sneak attack" on human body



Candida albicans

(Hand, foot and mouth disease, fever)



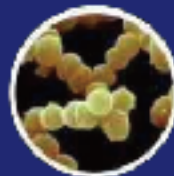
Escherichia coli

(Diarrhea, vomiting)



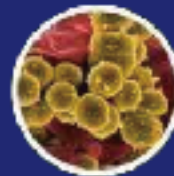
Pseudomonas aeruginosa

(Septicemia)



Hemolytic streptococcus

(tonsillitis)



Staphylococcus aureus

(Cough, pneumonia)



Salmonella typhimurium

(Acute gastroenteritis)

The LED ultraviolet sterilization lamp can sterilize the mask and make it reusable..



Portable led ultraviolet germicidal lamp (Scientific sterilization time details)

The sterilization consideration of our designed product is 20mw-1150mc / cm². According to this standard, the sterilization time is calculated as

virus	Bacterial content (MC / cm ²)	Sterilization time (seconds)
E. coli type E	6600	3
Infectious hepatitis	8000	7
influenza	6600	6
Poliomyelitis virus	6600	6
Yeast	13200	12
Bacteria	Bacterial content (MC / cm ²)	Sterilization time (seconds)
Anthrax	8700	8
Paratyphoid Bacillus	6100	6
Clostridium tetanus	22000	20
Salmonella typhimurium	4100	4
Escherichia coli	6600	6
The star is cocci	615400	14
Staphylococcus	5720	5
Pasteurella enteritidis	7600	7
Spira red	6160	6
Streptococcus lactis	8800	8
Agrobacterium	8000	7
Mold	Bacterial content (MC / cm ²)	Sterilization time (seconds)
Aflatoxin	9900	9
Grayamycin	8800	8
Aspergillus niger	33000	29
Mucor racemosus a	35200	31
Mucor racemosus B	5200	31
Extended penicillin	22000	20
Loudi penicillin	26400	23
Protozoan	Bacterial content (MC / cm ²)	Sterilization time (seconds)
Chlorella vulgaris	2200	2
Nematode eggs	9200	18
Grass cover insect	20000	5

Sterilization instructions:

Sterilization instructions: the distance between the portable led ultraviolet sterilization lamp and the sterilized object is 1-3cm. Most bacteria and viruses will be killed in 10-20 seconds. For better effect, it is recommended that the sterilization time be 20-40 ", to ensure that bacteria and viruses are killed 100%.

Saving battery super long and durable

The storage battery, super long and durable, adopts the charging design, equipped with 3000ma battery, USB socket, 180 days without using electricity, 100% maintenance, ordinary 5V mobile phone charger can be charged. Fast charging time: 2-3H, one charge can continuously sterilize 5-6H

3000mA lithium battery



730 day warranty, replacement only

Artificial damage removal

The surface of lamp body is anodized

730 day warranty - we are confident and highly responsible for our products

The designed service life is 20000 hours, 4 hours per day on average, and 5000 days can be used

Portable led ultraviolet germicidal lamp will accompany your healthy life

Safety tips:

1. Please put it in a place that is hard for children to get, and avoid children's use.
2. Please don't face other people's eyes when using germicidal lamp.
3. When using germicidal lamp, please keep more than 5cm away from the skin of yourself or others.



Product parameters

Product Name: Portable led ultraviolet germicidal lamp		Weight: 128G
Product size: L276mm D22mm		Warranty: 2 years
Product color: black, silver		Surface anodizing
Dark violet power: 24MW	Led quantity: 6pcs	UVC wavelength: 275nm
Irradiation distance: <30mm	Charging voltage: 5V1A	Matching USB charging cable
Battery capacity:3000mA	Fast charging: 2-3H	Full power use time: 5-6 H
Lamp bead life: continuous lighting for 10000 H		
180 days without power consumption 100% maintained		
Maintain estimated service life: 7 years (4h per day)		

