APEX-UV

Far-UV Ceiling or Wall Mounted Air Sanitizer
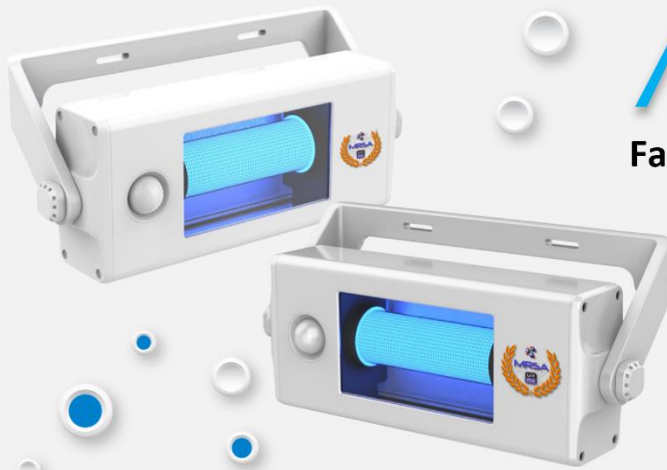
Rooms can be safely occupied when units are ON.

MRSA-UV™
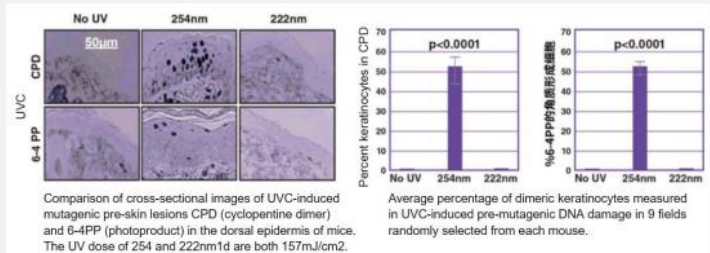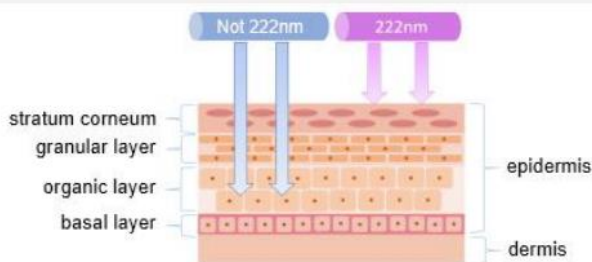Mobile Room Sanitizing Agency
561-531-9398

Design Idea

So Far, the Ultraviolet germicidal lamp(254nm)、UV-LED(265nm/275nm) used in industry can cause serious injury when directly exposing to human body. Due to the damage to the human body, the above lamps are generally used for UV sterilization on the surface of enclosed spaces.

At present,as pointed out in the published papers of various universities, 222nm ultraviolet lamp will not cause harm to the human body, that's to say, 222nm ultraviolet lamp can be used as germicidal lamps under natural conditions.

Therefore we design a 222nm germicidal lampcalled U57 both sterilizing the surface and air.

Not 222nm | 222nm

stratum corneum
granular layer
organic layer
basal layer

epidermis

dermis

No UV | 254nm | 222nm

CPD

6-4 PP

UVC

50µm

Comparison of cross-sectional images of UVC-induced mutagenic pre-skin lesions CPD (cyclopentine dimer) and 6-4PP (photoproduct) in the dorsal epidermis of mice. The UV dose of 254 and 222nm1d are both 157mJ/cm2.

$p<0.0001$

$p<0.0001$

No UV | 254nm | 222nm

Percent keratinocytes in CPD

%6-4PP的角形成细胞

Average percentage of dimeric keratinocytes measured in UVC-induced pre-mutagenic DNA damage in 9 fields randomly selected from each mouse.
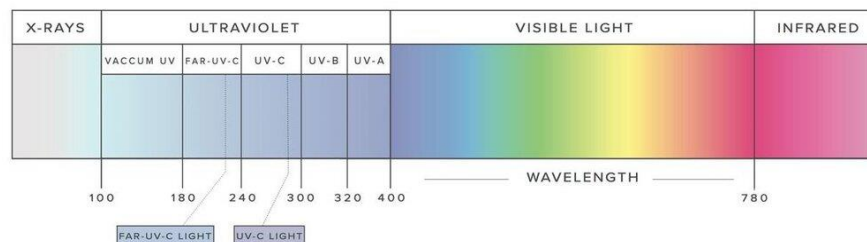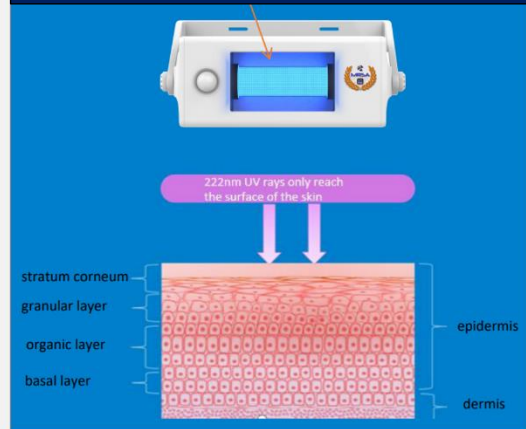
💡 The air continuously passes through the lamp sterilization area to achieve the purpose of sterilization through the air self-circulation.
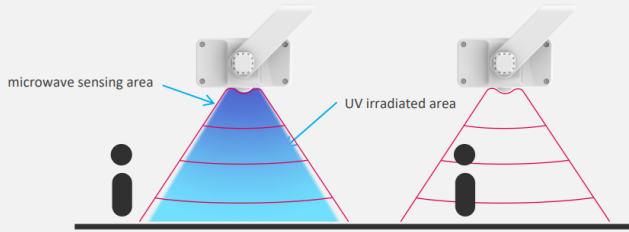
💡 Since the deep ultraviolet rays with a wavelength of 222nm can only reach the outermost stratum corneum of the skin, it will not damage the DNA of skin cells and effectively protect your health.
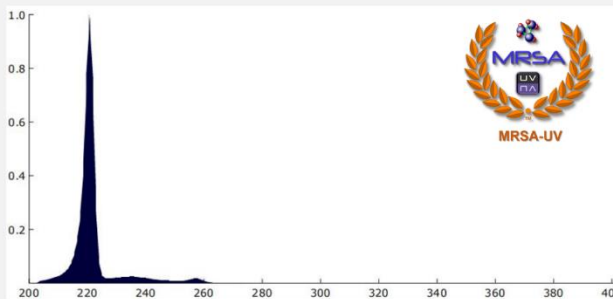
The glass used on the surface is a filter, which can be effectively filter out the clutter irradiated by the eximer lamp and ensure the purity of the 222nm wavelength.

222nm UV rays only reach the surface of the skin

stratum corneum
granular layer
organic layer
basal layer
epidermis
dermis

MRSA
UV
MRSA-UV

X-RAYS	ULTRAVIOLET					VISIBLE LIGHT	INFRARED
	VACCUM UV	FAR-UV-C	UV-C	UV-B	UV-A		

WAVELENGTH

100   180   240   300   320   400   780

FAR-UV-C LIGHT   UV-C LIGHT

💡 Two customized modes can be selected by setting the PIR sensor program.

microwave sensing area UV irradiated area

microwave sensing area microwave sensing area

Mode 1: When person walks into the microwave sensing area, the UV lamp will automatically turn off.
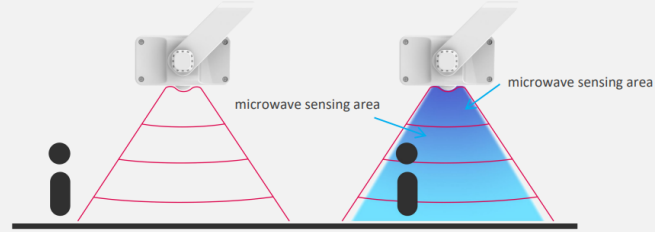
Mode 2: When person walks into the microwave sensing area, the UV lamp will automatically turn on for 1 hour.

Feature III: Ozone Free & No Hg

💡 The common 222nm excimer lamp on the market will generate ozone due to process reasons. Excessive ozone content can cause cough, dyspnea, decreased lung function, withering of plants, and oxidation of precious metals. The 222nm lamps we developed are ozone-free and can protect the safety of human beings.

💡 The common 254nm glass tube on the market contains mercury, and the 222nm excimer lamp does not contain mercury, and will not leak mercury due to the broken glass of the lamp tube.
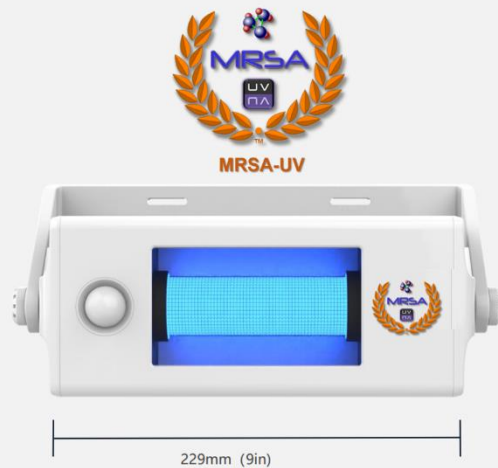
Size & Price

📝 **Product Specification**

UVC Power: 20w

Input Voltage: 100V-277V

Tube Type: Excimer tube

UV radiation intensity at 50cm: 20μm/cm²

Wavelength: 222nm

Installation: Ceiling mount or Wall mount

Sensor Mode: PIR Sensor

Product Size: 229mm* 53mm* 104mm
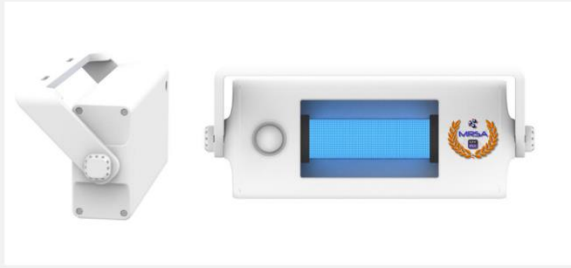
Warranty: 2 Years

Certification: CE/ROHS/FCC

MRSA
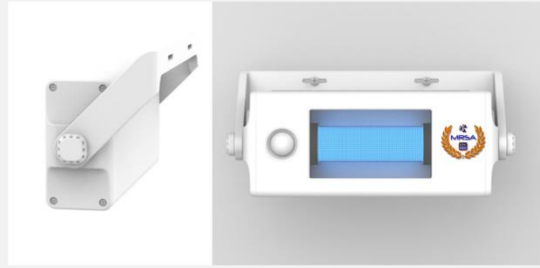
MRSA-UV

104mm (4in)

53mm (2in)

229mm (9in)

only $695

🏛 Suitable for family, shops, supermarkets, elevators, clinics, toilets, offices and other public places.

Ceiling mount

Wall mount

ULTRAVIOLET SPECTRUM

VUV	FAR-UV	UVC	UVB	UVA	VISIBLE
100-200 nm	207-230 nm	200-280 nm	280-315 nm	315-400 nm	380-700 nm

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