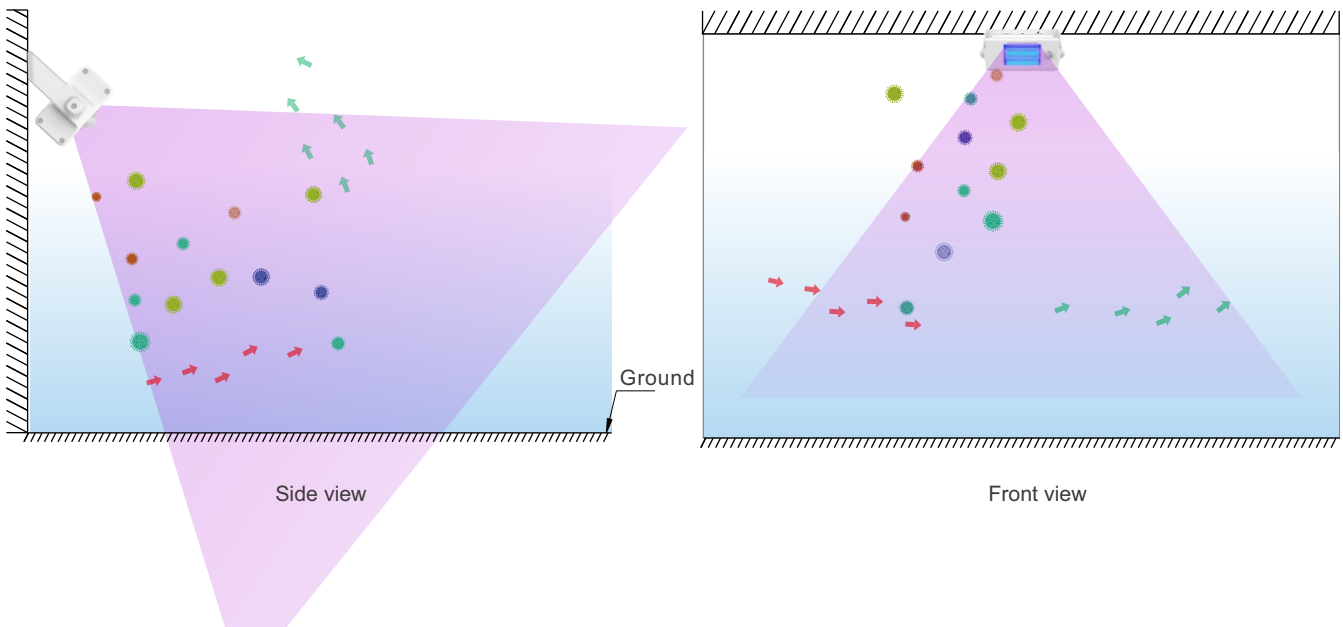


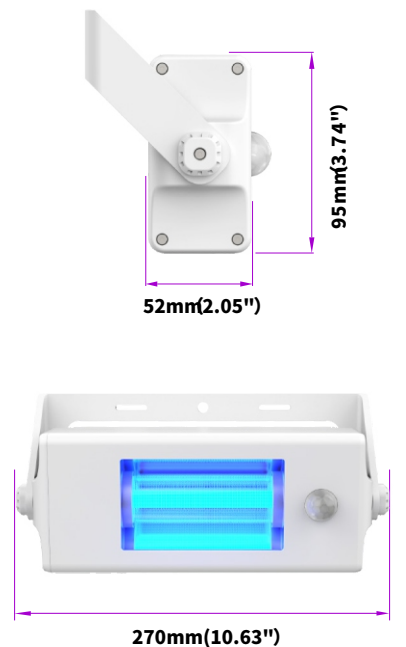
Purification principle

The 222nm ultraviolet band emitted by UVC destroys the DNA and RNA structures of bacterial viruses and plays a purification role.



Product parameters

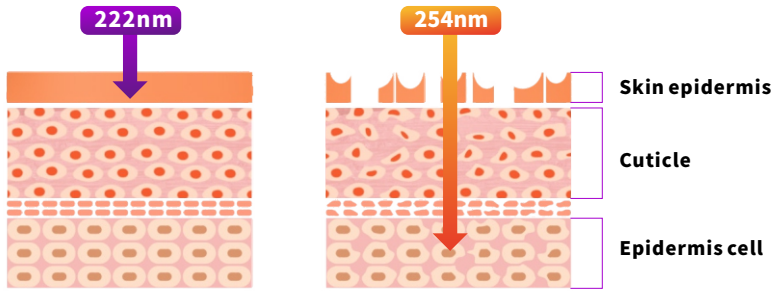
SPECIFICATIONS	
Model No.	LEO 10
Power	20W±2W
Input voltage	100-277V AC
Input frequency	50/60Hz
Wave length	222nm
Radiation intensity (0.3 meters)	8.4μW/cm ² (Ambient temperature 25°C)
Tube type	222nm tube
Tube lifespan	≤5000h
Working temperature	0°C~+40°C
Storage temperature	-20°C~+70°C
Product Size	270*122*95mm
Installation method	Ceiling mounted and wall mounted
Warranty	2 years



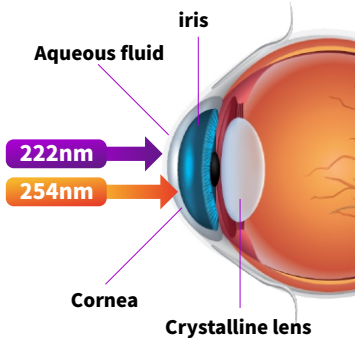
Product features

01 Security wavelength:

The American Association of Governmental Industrial Hygienists (ACGIH) has published a new document revising its UV hazard function and dose limits. Among them, the dose limit in the far ULTRAVIOLET band was greatly increased, and the daily irradiation limit at 222nm was increased from 22mJ/cm² to 160 mJ/cm² (corneal irradiation) and 478mJ/cm² (skin irradiation), which was effectively extended Exhibition of far ultraviolet products in air purification, surface and water purification and other fields of promotion and application, and make ultraviolet purification application more safe. Compared to traditional 254nm uv solutions, 222 nm uv does not penetrate deep enough to harm skin or eyes.



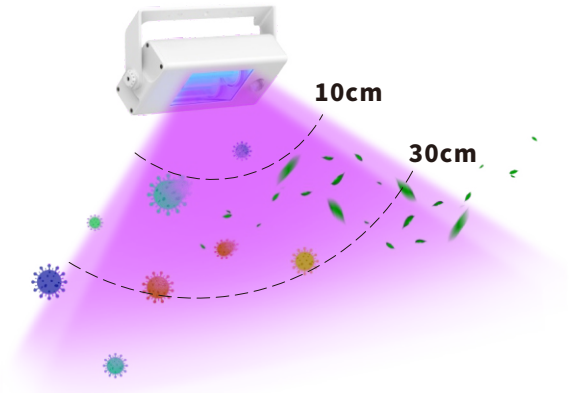
① Skin penetration (222nm vs 254nm)



② Corneal penetration of the eye (222nm vs 254nm)

02 Two ways to kill:

Air elimination and surface elimination two in one.



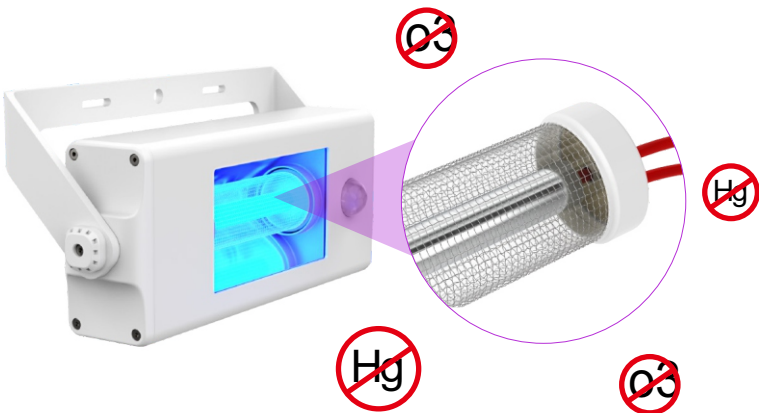
10cm~30cm UV irradiance test value within the range:

U57 UV spectral irradiance test value		
Test distance:(cm)	10	30
Value:(μw/cm ²)	65.4	8.4

Note: This data is from a third party laboratory, data is for reference only.

03 No mercury, no ozone, environmental health:

The traditional 254nm purification lamp on the market contains mercury, while 222nm excimer lamp does not contain mercury, and will not cause mercury leakage due to the broken glass of the lamp tube.

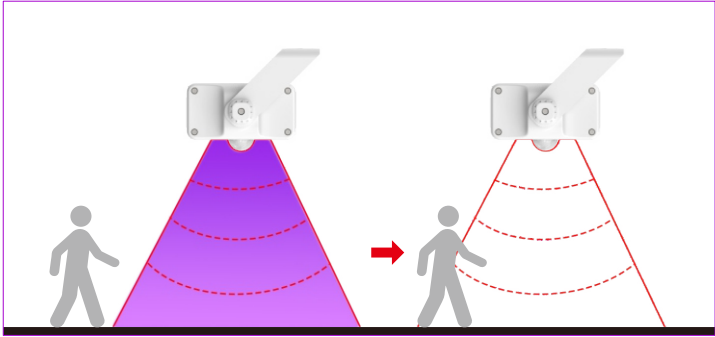
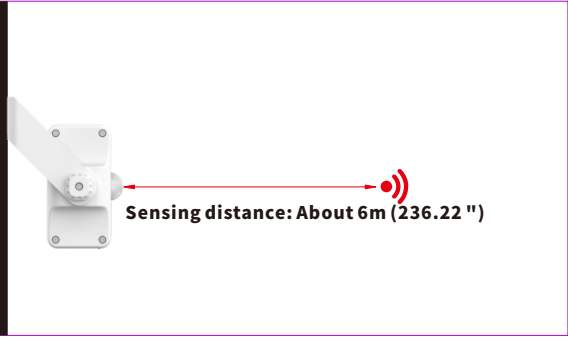


254nm UVC tube

Product features

04 PIR Intelligent sensor module:

When a person walks into the PIR sensor area, the uv lamp automatically goes off.



05 Three working modes are available:

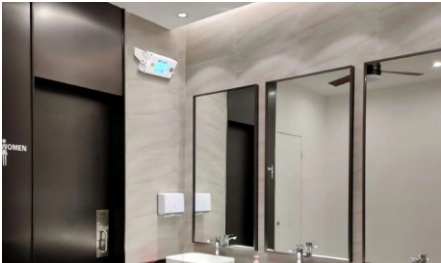
It is divided into three gears, namely gear I, gear II and gear III. Gear I is recommended for elevator purification, gear II is recommended for conference room purification, and gear III is recommended for toilet purification. In other application scenarios, please select similar gears based on actual conditions.



Elevator purification



Meeting room purification



Washroom purification

Measured data of purification in space laboratory:

Way to kill	culture	testing space	purification time	purification rate
Air purification	staphylococcus albus	10m ³	90mins	>99%
Surface purification	Escherichia coli	1m	40mins	>99%

Note: This elimination data is from the third party laboratory, data is for reference only.

Recommended Time and Space for real applications:

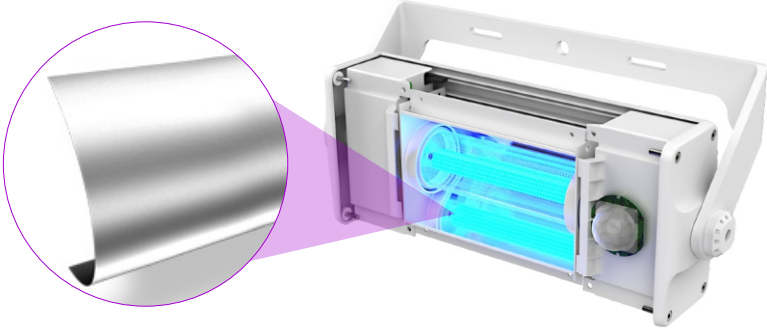
Gear mode	Type	Spatial scope	Recommended purification time
Gear 1	Purification volume	15m ²	90mins
Gear 2	Purification volume	15m ²	90mins
Gear 3	Purification volume	15m ²	120mins

Note: This elimination space is evaluated by the installation method of top suction center and unattended enclosed space. The actual situation shall be subject to the actual application. It is recommended to keep it open to effectively reduce the accumulation of bacteria, viruses or other microorganisms in the air.

Product features

06 Built-in mirror aluminum, improve luminous efficiency:

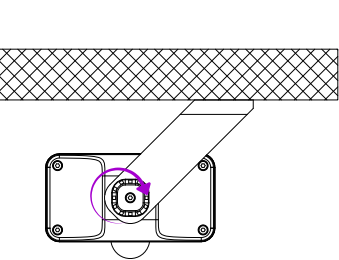
The built-in mirror aluminum reflection design reflects the uv light from the back to the irradiation area, greatly increasing the uv radiation intensity.



Comparison of UV radiation intensity at the same distance (with or without mirror aluminum reflector):

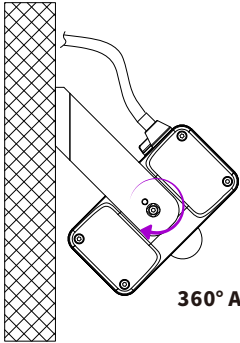


Installation method



360° Adjustable angle

● Ceiling mounting



360° Adjustable angle

● Wall mounting

Applications



Suitable for: elevators, conference rooms, toilets, corridors, dental clinics, OT theatres, class rooms, X ray room, scope rooms, perishable food storages, stairs and other public places.



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