

# COMING

ULTRA VIOLET DISINFECTION



## CO-X3

*Automatic UV Disinfection*

Back to the safe days!

# SHINING A LIGHT ON UV TECHNOLOGY

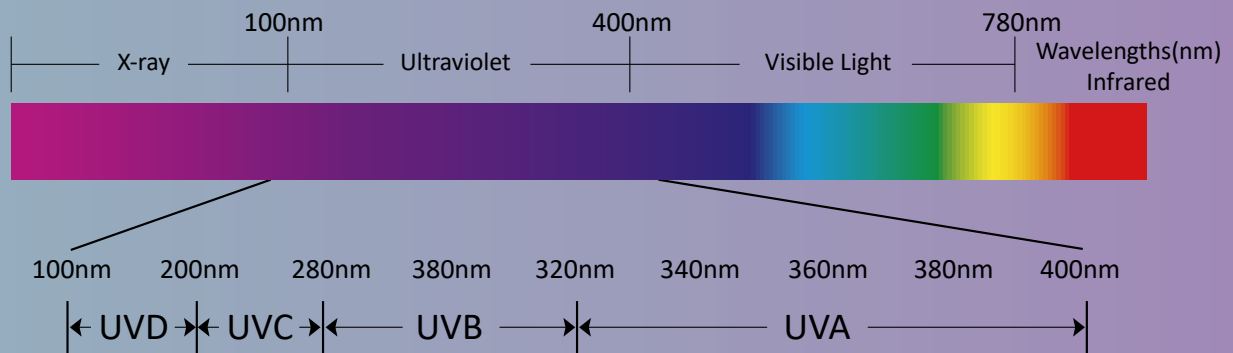
Ultra Violet (UV) light is invisible to the human eye and is divided into UV-A, UV-B and UV-C. UV-C is found within 200-280nm range.

UV-C radiation is a known disinfectant for air, surfaces and objects that can help mitigate the risk of acquiring an infection.

UV-C light are extremely effective in breaking down the DNA and RNA of micro-organisms. This means that they cannot replicate and cause disease<sup>1</sup>.

The technology has primarily been used in areas where there is a risk of microbiological contamination, and has been used safely and effectively for more than 40 years<sup>2</sup>.

*UV-C irradiation is highly effective in inactivating SARS-CoV-2 replication<sup>3</sup>.*



1. A comparison of pulsed and continuous ultraviolet light sources for the decontamination of surfaces. McDonald K.F., Curry R.D., Clevenger T.E., Unklesbay K., Eisenstark A., Golden J., Morgan R.D. IEEE Trans. Plasma Sci. 2000;28:1581–1587. doi: 10.1109/27.901237.

2. EPA Report, “Building Retrofits for Increased Protection Against Airborne Chemical and Biological Releases” Pg. 56.

3. Inagaki, H., tSaito, A., Sugiyama, H., Okabayashi, T. & Fujimoto, S. Rapid inactivation of SARS-CoV-2 with deep-UV LED irradiation. Emerg. Microbes Infect. 9, 1744–1747 (2020).

# ARE THEY SAFE?

*In some closed public places, there are a lot of bacteria every second.....*

## Elevator

*Survey data shows that the average number of people taking elevators in the hospital every day reaches 9,557.*

*The distance between people is very close when taking the elevator, the transmission rate of pathogenic microorganisms is very high.*



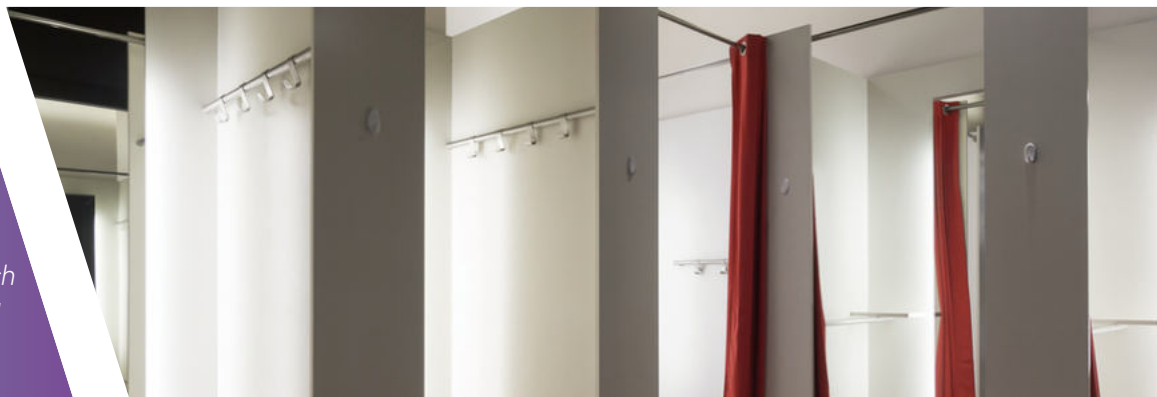
## Toilets

*The daily flow of people is very large, and extremely powerful bacteria and viruses can infect another person in 15 seconds.*



## Fitting room

*In order to fully understand the matching degree between new clothes and individuals, people often choose to take off the mask in the fitting room, which greatly increases the risk of being invaded by bacteria and viruses...*



**CO-X3 CAN SOLVE ALL YOUR WORRIES AND PROVIDE YOU WITH A SAFE PUBLIC ENVIRONMENT.**

## More application...



Changing room



Fitting room



Unmanned store



Reading room



Baby Care room



Public toilet



Smoking room



Laundry room



Elevator

# CO-X3

AUTOMATIC UV DISINFECTION



## Feature



EFFICIENT

*Well-documented broad-spectrum antiviral and antibacterial drugs (including coronavirus and its variants).*



SAFE  
STERILIZATION

*The product does not contain mercury, does not produce ozone, and has no pungent odor.*



AUTOMATIC  
DISINFECTION

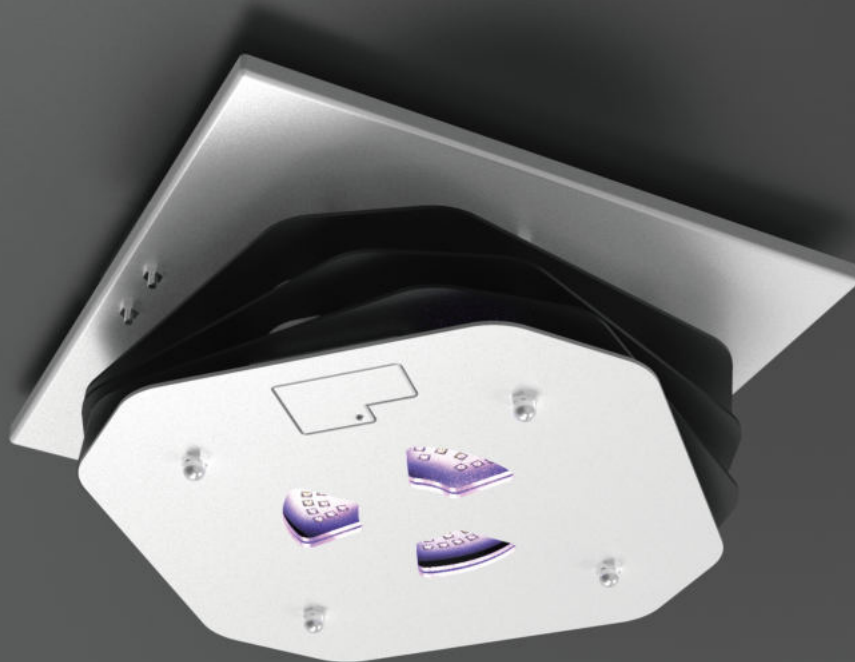
*Induction device, friendly to people*



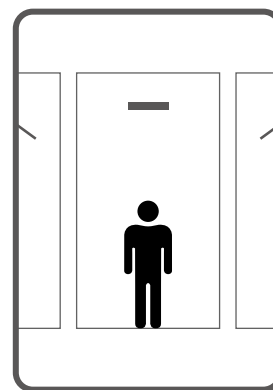
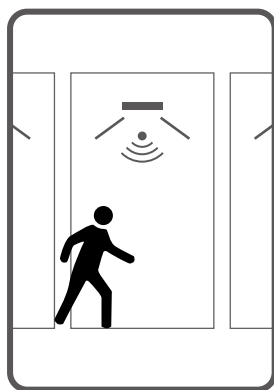
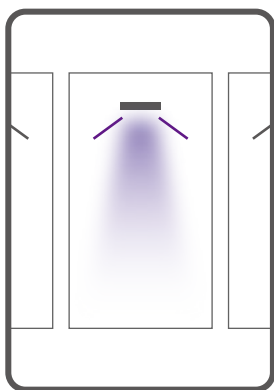
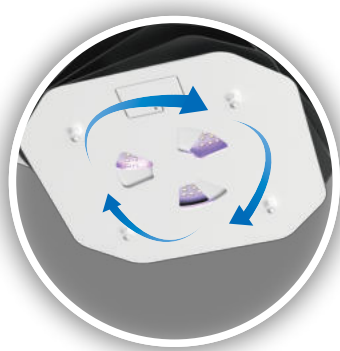
STRONG  
PRACTICABILITY

*Stylish and simple appearance, suitable for any place.*





# Smart protection



X3 works normally

When someone comes, X3 will stop working

X3 stops working for 5 min. After 5 min, if there is no people, X3 continues to work

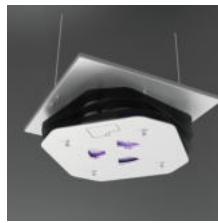
## Specifications

|                           |                      |
|---------------------------|----------------------|
| Type                      | CO-X3                |
| Light Source              | UV LED               |
| Rated Voltage             | AC 100-277V, 50/60Hz |
| Color                     | White/Black          |
| Optimal temperature range | -20~ 40°C            |
| Lifetime                  | 10000h               |
| Weight                    | 2.2kg±5%             |
| Size                      | 300x300x110mm        |

## Installation



*Ceiling Installation*

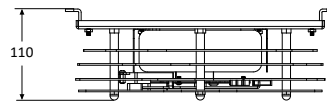
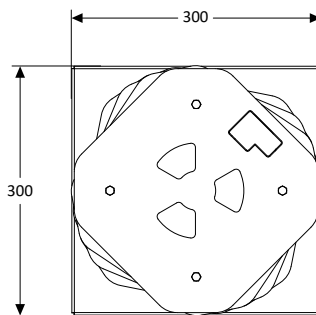


*Suspension Installation*



*Recessed Installation*

## Size(mm)

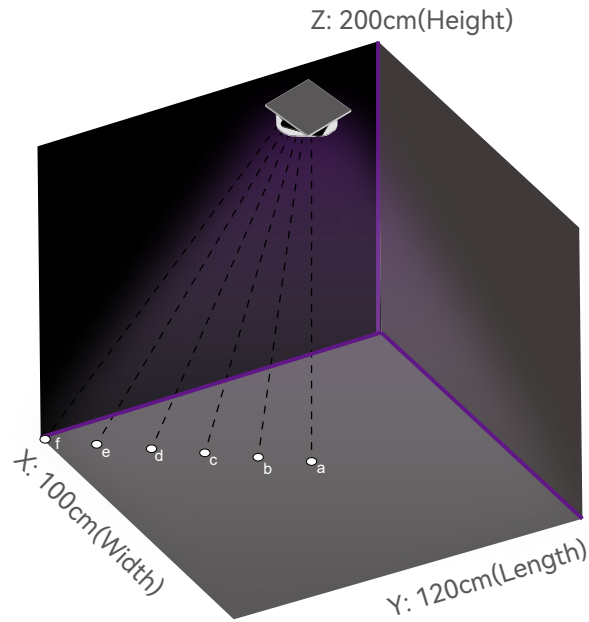


## Packaging

| Model | Net Weight | Size of Box | Weight of Box | Size of Carton | Gross Weight of Carton | PCS/Carton |
|-------|------------|-------------|---------------|----------------|------------------------|------------|
| CO-X3 | 2.2kg±5%   | 36x35x16cm  | 3.0kg±5%      | 37*37*65cm     | 13.0g±5%               | 4          |

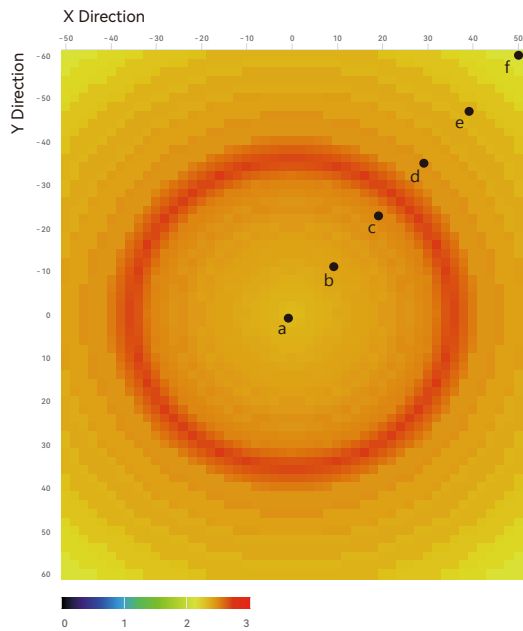


# UVC Three-dimensional light field simulation



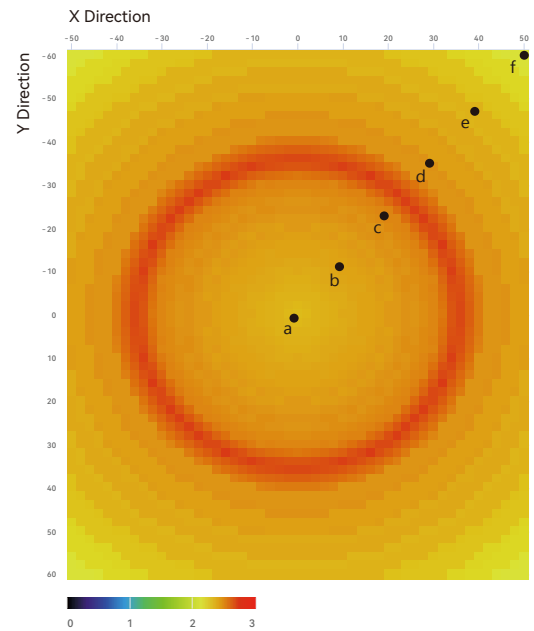
(Size: 100x120x200cm)

Time: 30min



|   | Position(X,Y) | Sterilization rate |
|---|---------------|--------------------|
| a | 0, 0          | 93.6904%           |
| b | 10, -12       | 94.9881%           |
| c | 20, -24       | 94.9881%           |
| d | 30, -36       | 94.9881%           |
| e | 40, -48       | 94.9881%           |
| f | 50, -60       | 93.6904%           |

Time: 60min



|   | Position(X,Y) | Sterilization rate |
|---|---------------|--------------------|
| a | 0, 0          | 99.6938%           |
| b | 10, -12       | 99.7488%           |
| c | 20, -24       | 99.8005%           |
| d | 30, -36       | 99.7488%           |
| e | 40, -48       | 99.6838%           |
| f | 50, -60       | 99.4988%           |





## WARNINGS AND SAFETY

DANGER: Like any disinfection system, UV-C purifier must be installed and used in the correct way. Direct exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea. As UV-C is invisible to the eye, the UV-C purifier must be used and installed in strict accordance with the requirements set forth in the user manual and/or the mounting instructions.

Our UV-C purifier systems must only be sold and installed by professionals according to our stringent safety and legal requirements. Our UV-C products are not meant to be used in applications or activities which may cause and/or lead to death, personal injury and/or damage to the environment.



## DISCLAIMER

The UV-C purifier effectiveness in the deactivation of certain viruses, bacteria, protozoa, fungi or other harmful micro-organisms is as described above under the heading "Benefits".

We do not promise or warrant that the use of the UV-C purifier will protect any user from or prevent infection and/or contamination with any viruses, bacteria, protozoa, fungi, illness or disease. The UV-C purifier are not approved and/or certified as a medical device by the FDA and/or any other regulatory body. As such, the UV-C purifier are not intended for and must not be used to disinfect medical devices and/or for medical purposes.

We shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C purifier outside of their intended use or contrary to their installation and operation instructions, each as described in this document, the user manuals and/or the mounting instructions.

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