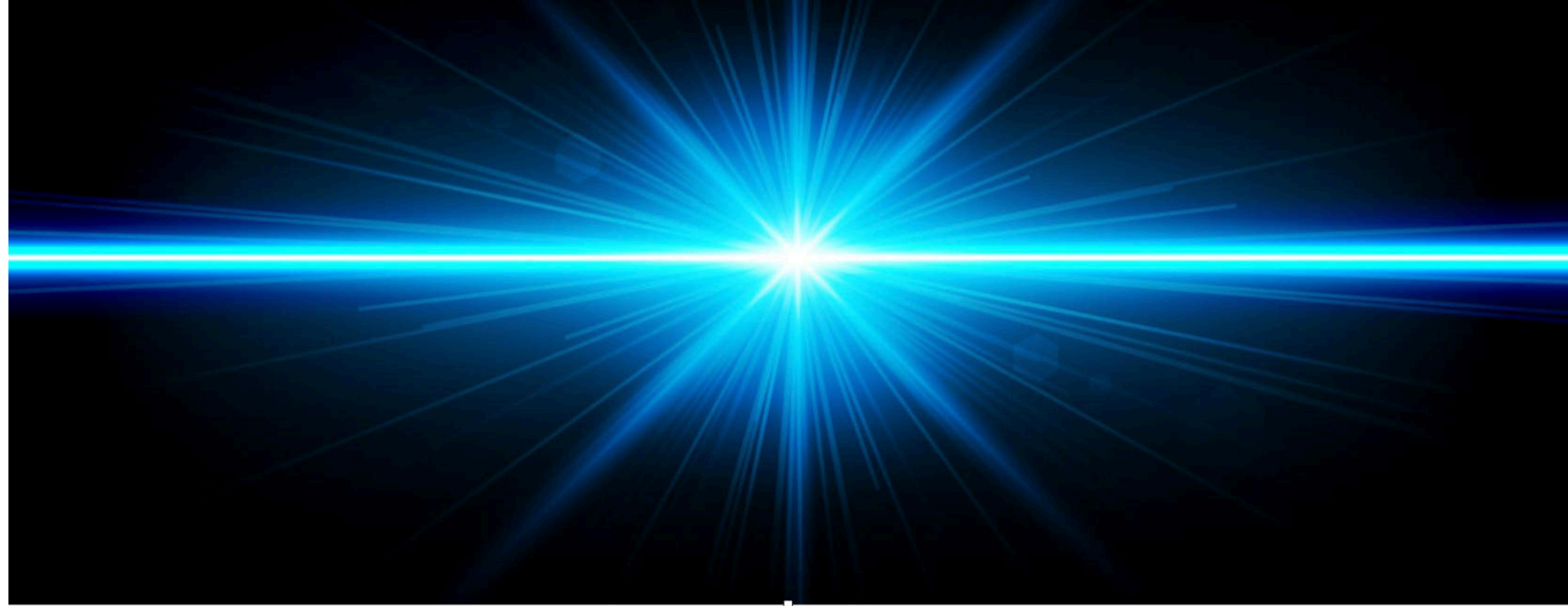


THE NEW ADVANCED TECHNOLOGY OF UV-C PURIFICATIONS



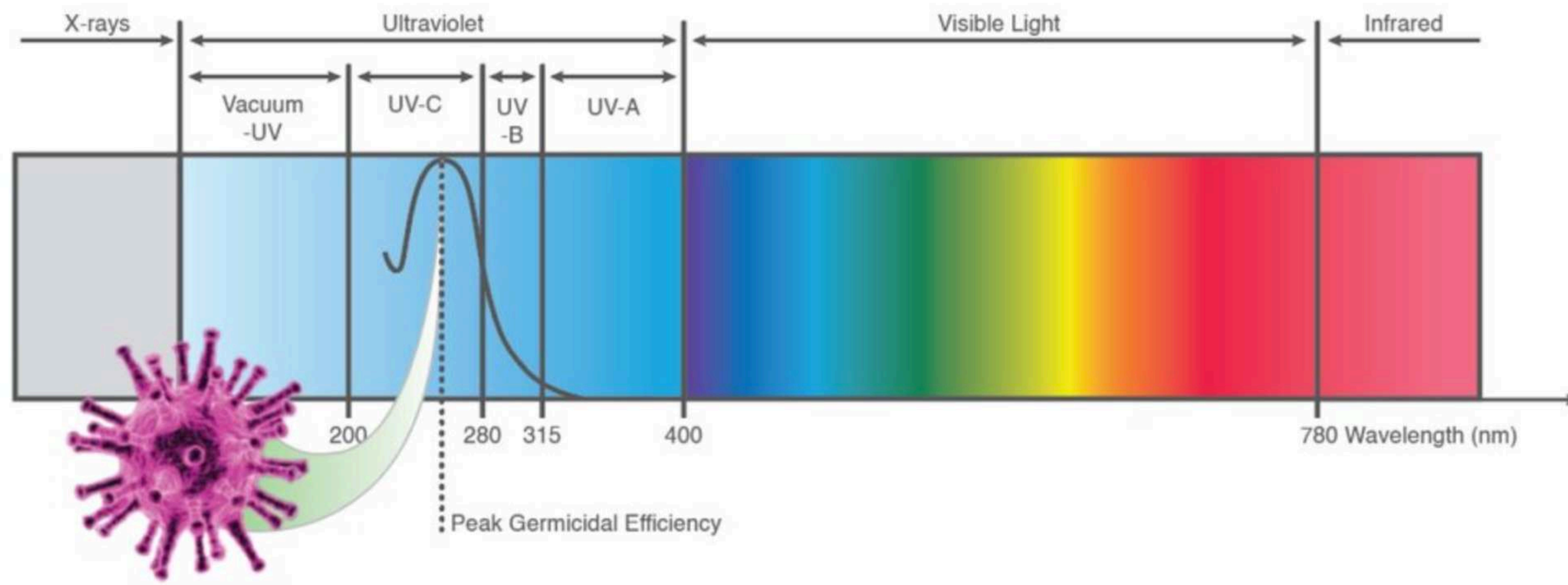
IMARI UV-C LIGHT DISINFECTION



**We are committed to helping facilities
operate in a safe and effective way that
puts employees, occupants and customers
at ease.**

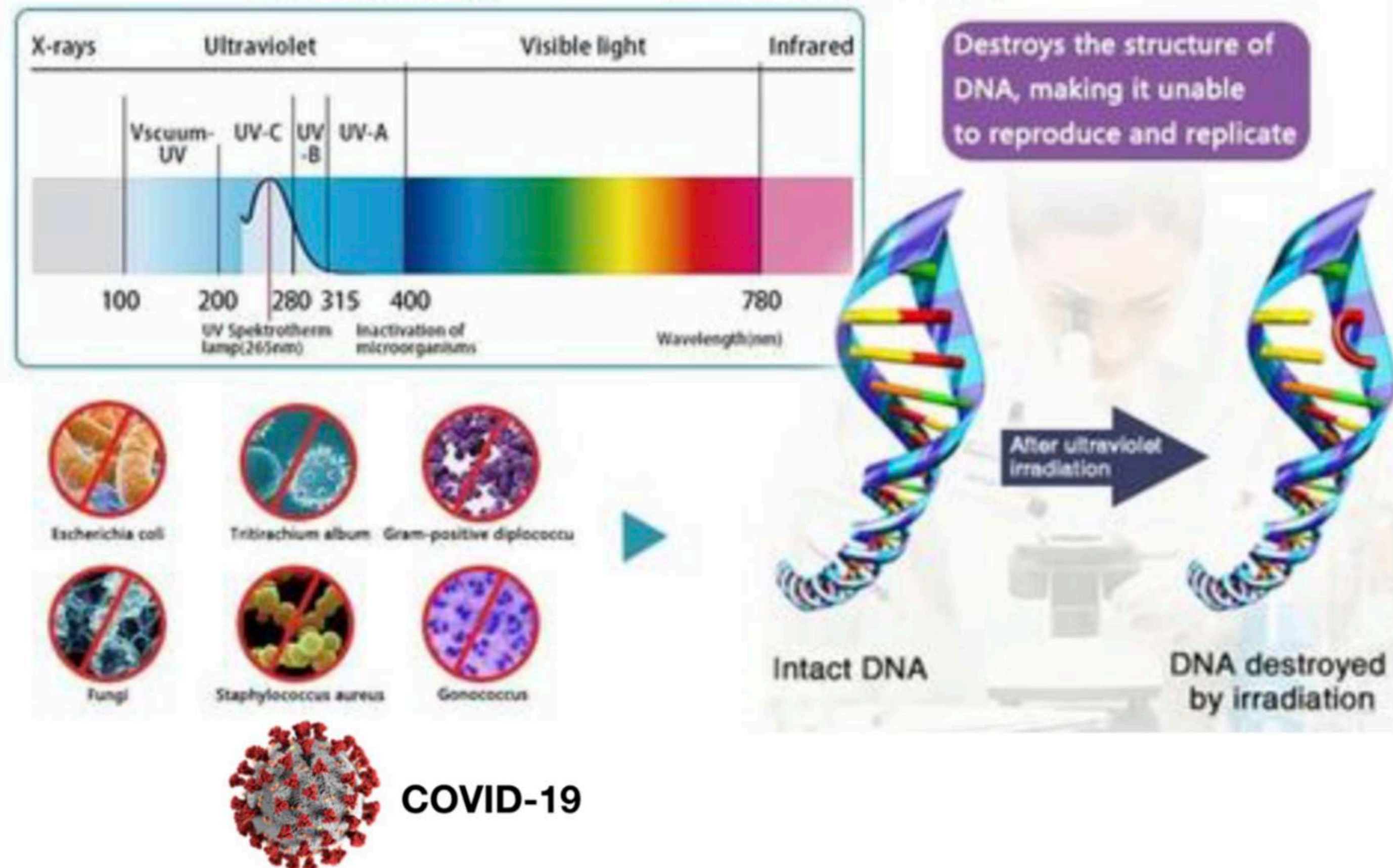
The Science Behind UV

UVC (Ultraviolet-C)



UVC Ultraviolet Sterilization Technology

Kills Up To 99.9% Of All Bacteria, Molds, Viruses And All COVID Strings



What is UV-C light?

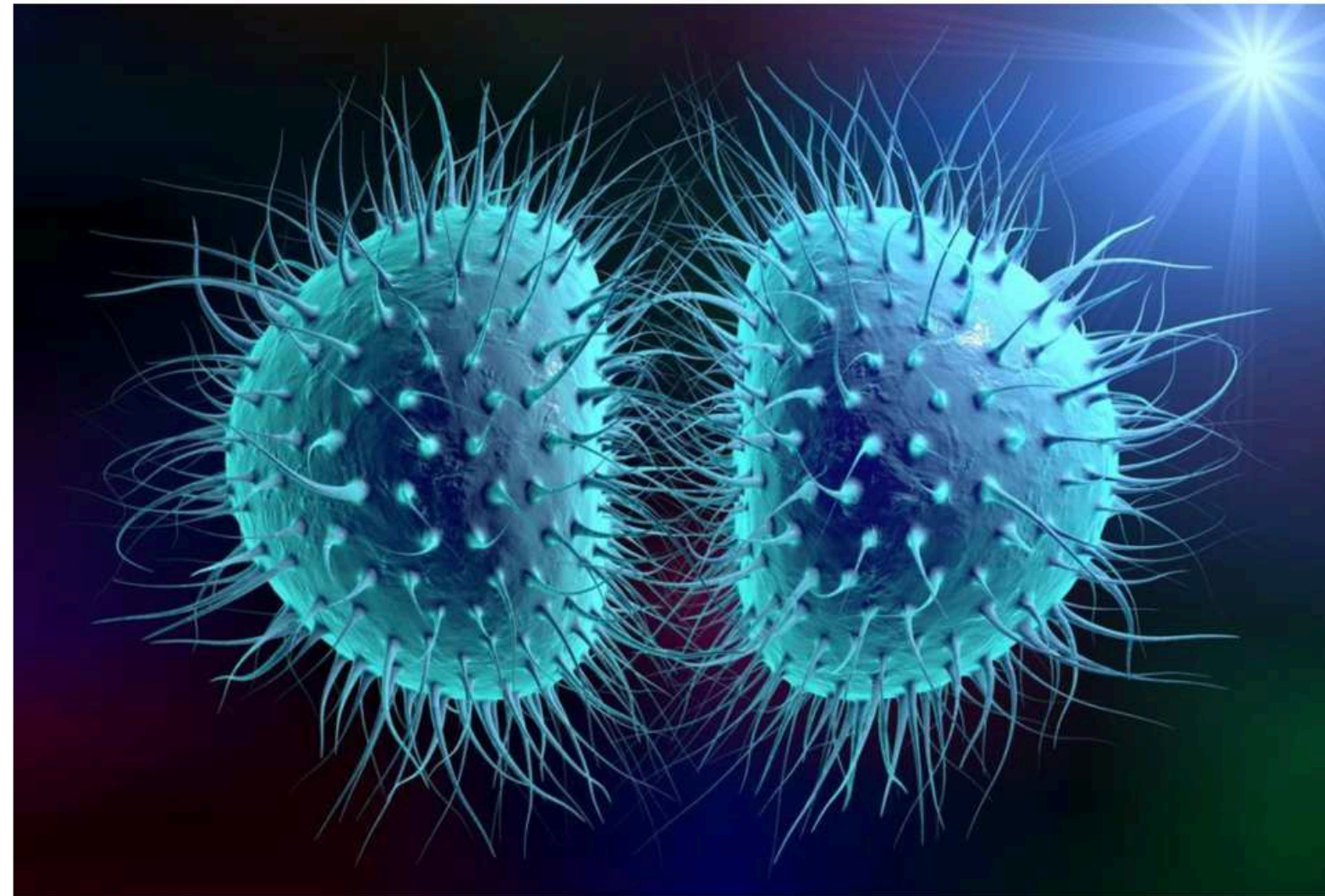
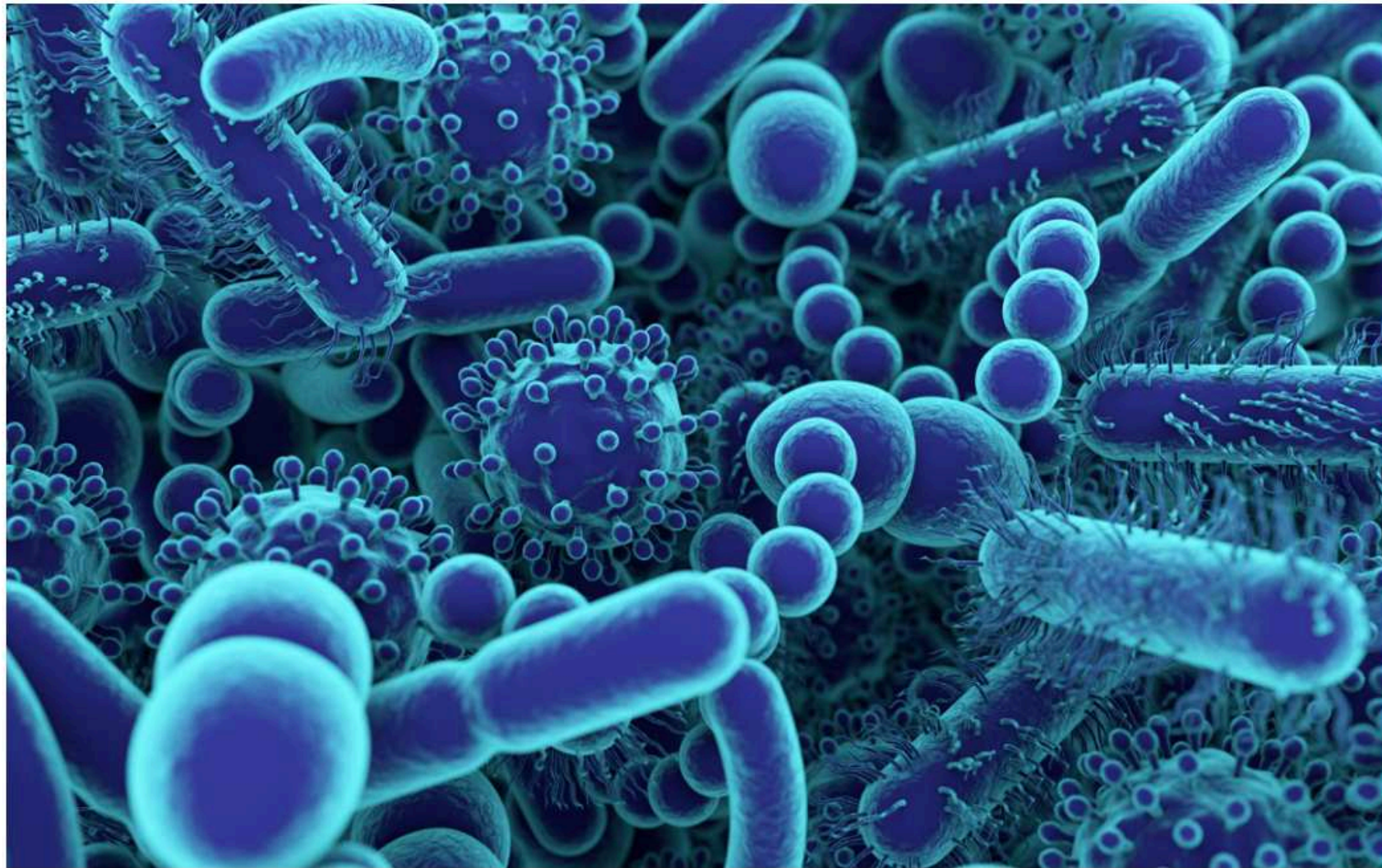
UV-C (also called germicidal UV) is part of the ultraviolet spectrum that can inactivate pathogens like bacteria and viruses. UV-C utilizes specific wavelengths of the ultraviolet spectrum, typically between 200 to 280 nanometers.

UV-A and UV-B light can also kill some bacteria and germs, but are mostly ineffective against viruses like SARS-CoV-2. The Illuminating Engineering Society (IES) recently [released a report](#) on germicidal UV that says UV-C is the most effective part of the spectrum. Although it is commonly called "UV light," ultraviolet wavelengths fall just outside of the visible light spectrum. Scientists usually refer to UV as radiant energy, but "UV light" has become more commonly accepted. You will not see visible light produced from UV products.

Germicidal irradiation, benefits, and differences of ULTRAVIOLET LIGHT				
UV type	NANOMETERS (nm)	SAFE for skin and eyes	RAPID DEGRADATION on materials like plastic and rubber	PRACTICAL USES
VUV Far-UV	100-200	YES	YES	Medical equipment
Far-UVC	207-222	YES	YES	Germicidal, most effective for disinfecting , sensing
UV-C	200-280	NO	YES	Germicidal, most effective for disinfecting , sensing
UV-B	280-315	NO	YES	Curing, tanning, medical applications
UV-A	315-400	NO	NOT TYPICALLY	Curing, printing, lithography, sensing, medical applications

Viruses, Bacteria and Fungi

Each of us shares our air, food, water and shelter with tiny colonies of microorganisms that include viruses, bacteria and fungi. Most of these microbes are harmless, but some are pathogens—the kind that can make you sick, such as the novel coronavirus that causes COVID-19.



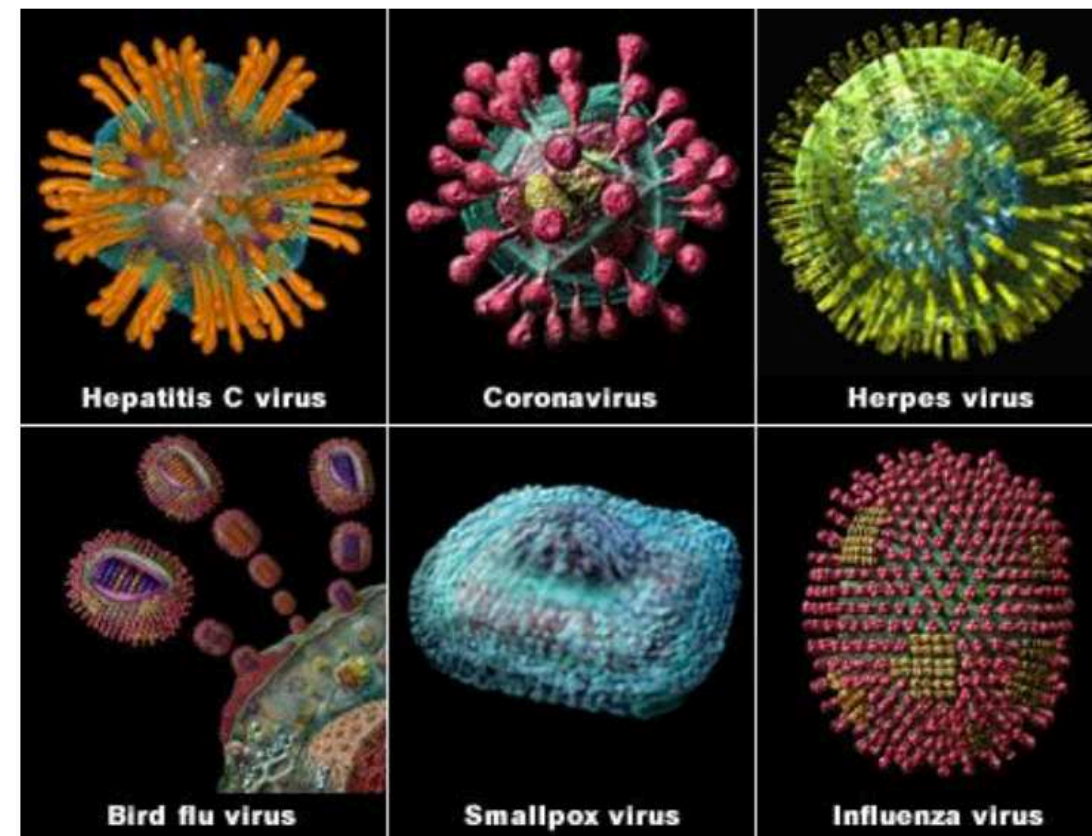
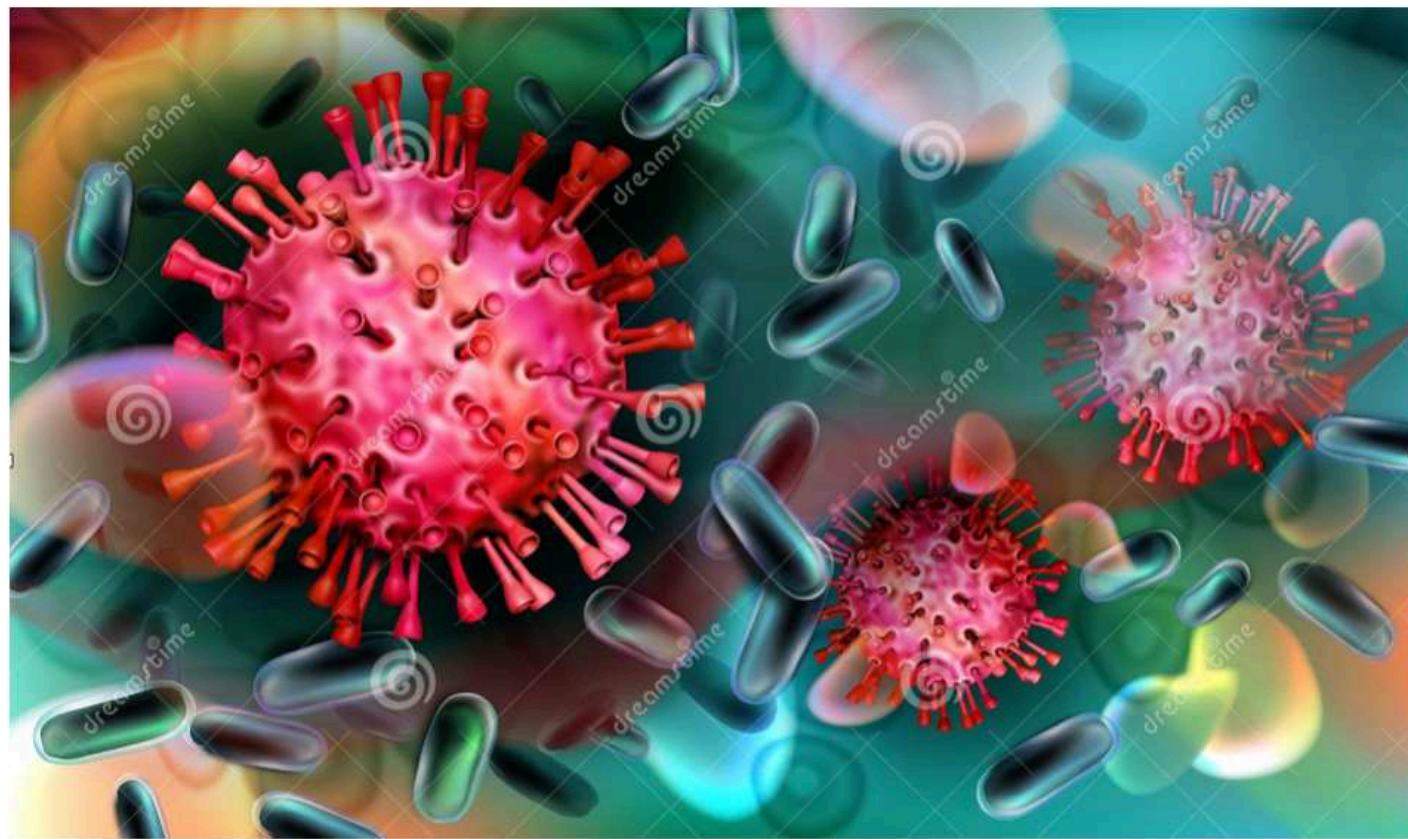
What are bacteria and viruses?

Bacteria and viruses are living organisms that cause diseases, like the common cold or influenza. They also can make some diseases, like asthma, worse

How can airborne viruses, bacteria affect health?

Bacteria and viruses can travel through the air, causing and worsening diseases. They get into the air easily. When someone sneezes or coughs, tiny water or mucous droplets filled with viruses or bacteria scatter in the air or end up in the hands where they spread on surfaces like doorknobs. Inhaling these viruses or bacteria can spread coughs, colds, influenza, CoV-19 and other infectious agents.

Crowded conditions with poor air circulation can promote this spread. Some bacteria and viruses thrive and circulate through poorly maintained building ventilation systems, as with Legionnaires' disease.



Airborne Diseases

You can catch some diseases simply by breathing. These are called airborne diseases. Airborne disease can spread when people with certain infections cough, sneeze, or talk, spewing nasal and throat secretions into the air. Some viruses or bacteria take flight and hang in the air or land on other people or surfaces.

When you breathe in airborne pathogenic organisms, they take up residence inside you. You can also pick up germs when you touch a surface that harbors them, and then touch your own eyes, nose, or mouth. Because these diseases travel in the air, they're hard to control. Many diseases are spread through the air, including Coronavirus and COVID-19. A rapidly spreading coronavirus, SARS-CoV-2, and the disease it causes, [COVID-19](#), has been responsible for millions of infections and millions of deaths globally in 2020.

Disinfection Has Always Been Important

But Now It's Critical

Through a published studies , we learn how UV-C light technology was superior to standard chemical disinfection. In a education facilities and clinical setting, on complex patient care equipment, standard chemical disinfection was only 38% effective but with IMARI UVGI disinfection efficacy improved to 96% in a 90-second treatment cycle. This light-based technology uses IMARY BLUE-WAVE rays to cut turnaround time to mere minutes so you can keep your classrooms and other room moving quickly — perfect for treating equipment + spaces for the purposes of disinfection.

***UV-C Light Is The Only Way
To Kill Virus In Minutes***

UV light Could Reduce Hospital-Acquired Infections

A new study shows that ultraviolet disinfection technology eliminates up to 97.7 percent of pathogens in the operating room. Using this light wavelength might help defeat superbugs.

Healthcare-associated infections

The last thing anyone wants to experience is getting some sort of infection in a healthcare environment, such as an hospital or operating room, while they're already seeking medical care.

This type of infection, called a Healthcare-Associated Infection (HAI), happens frequently. According to the Office of Disease Prevention and Health Promotion, around **1 in 25** inpatients has an infection that's directly related to hospital care.

Certain factors can raise someone's risk of developing an HAI; these include catheters, having surgery, getting a shot, and being in a healthcare setting that has not been properly disinfected. The U.S. Department of Health and Human Services estimate that over **1 million** HAIs develop within the country's health system every single year.

HAIs can result in severe complications, and outcomes are often poor. These infections cost billions of dollars each year in healthcare spending and other costs, and HAIs remain a focus for people who work in public health.

IMARI S.H.I.E.L.D
WE Will Shield You From Air Pollution
Bacteria, Viruses And COVID-19



What Is The Solution

The Only Solution Is To Use IMARI UV-C Ultraviolet Light
Disinfection Products To Protect Your Family Or your Employee



Benefits of UV Disinfection

Given the health risks of chemicals, as well as the inability to consistently achieve the necessary disinfection levels, many hospitals and other healthcare settings have begun incorporating additional automated decontamination devices.

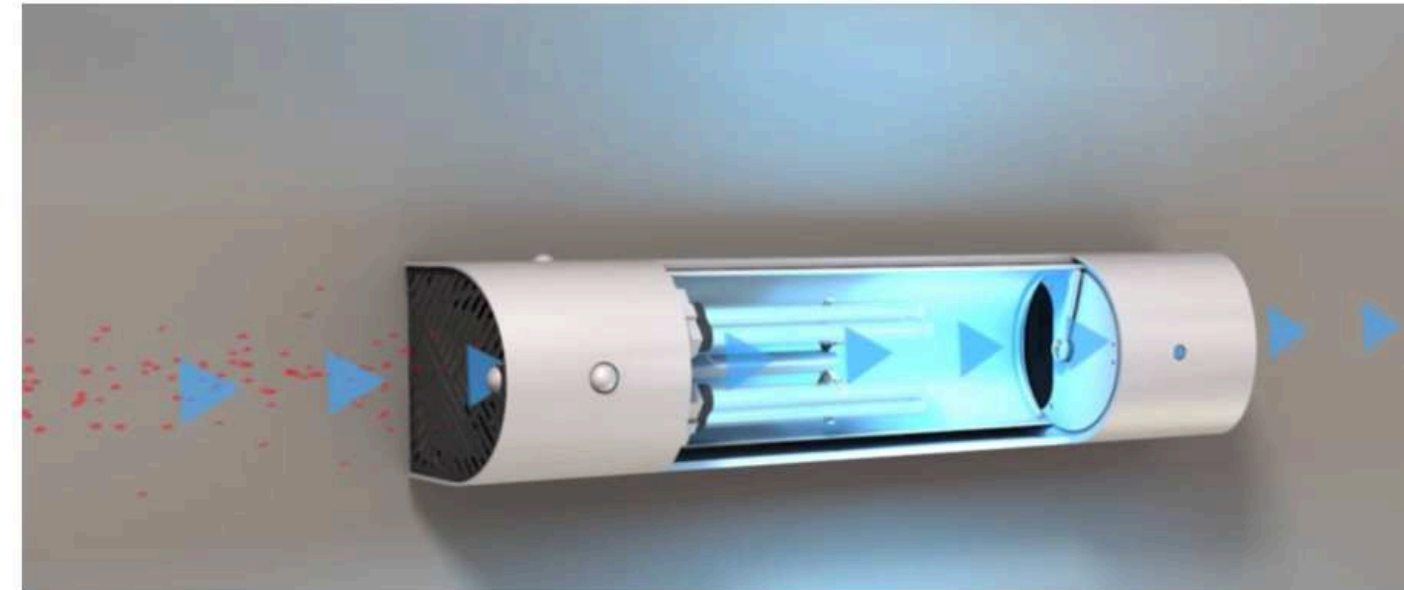
While not a “new” disinfecting technology, UV light has rapidly been growing in use in hospital settings as it is a proven disinfectant for surfaces, instruments, and air. With over 140 years of research behind it, UV light has been proven effective at killing bacteria, viruses, mold, and fungi.

Ultraviolet light attacks microorganisms at the DNA and RNA level. Microbes are not able to develop resistance to ultraviolet light, compared to their ability to form resistance to certain types of chemical disinfectants.

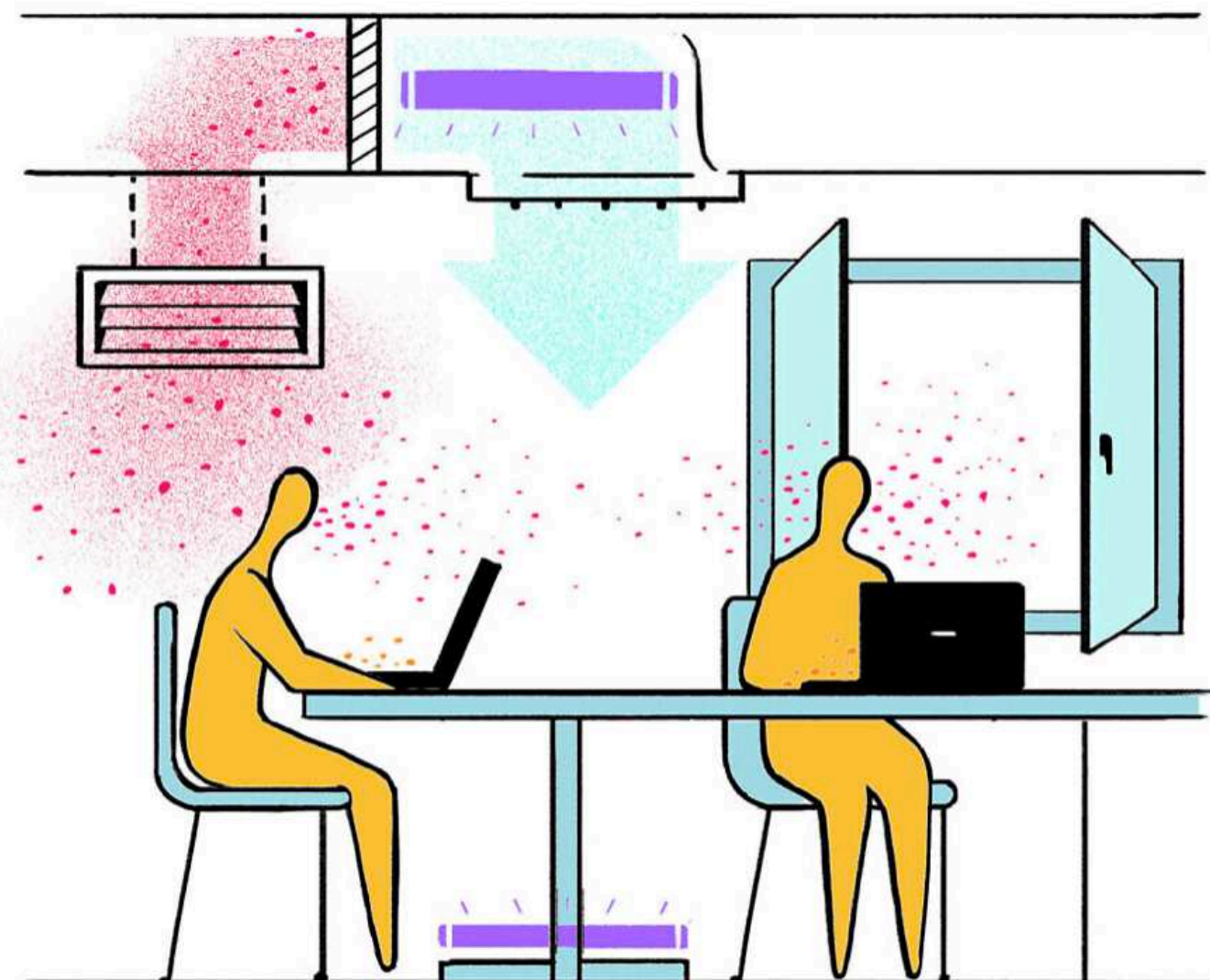
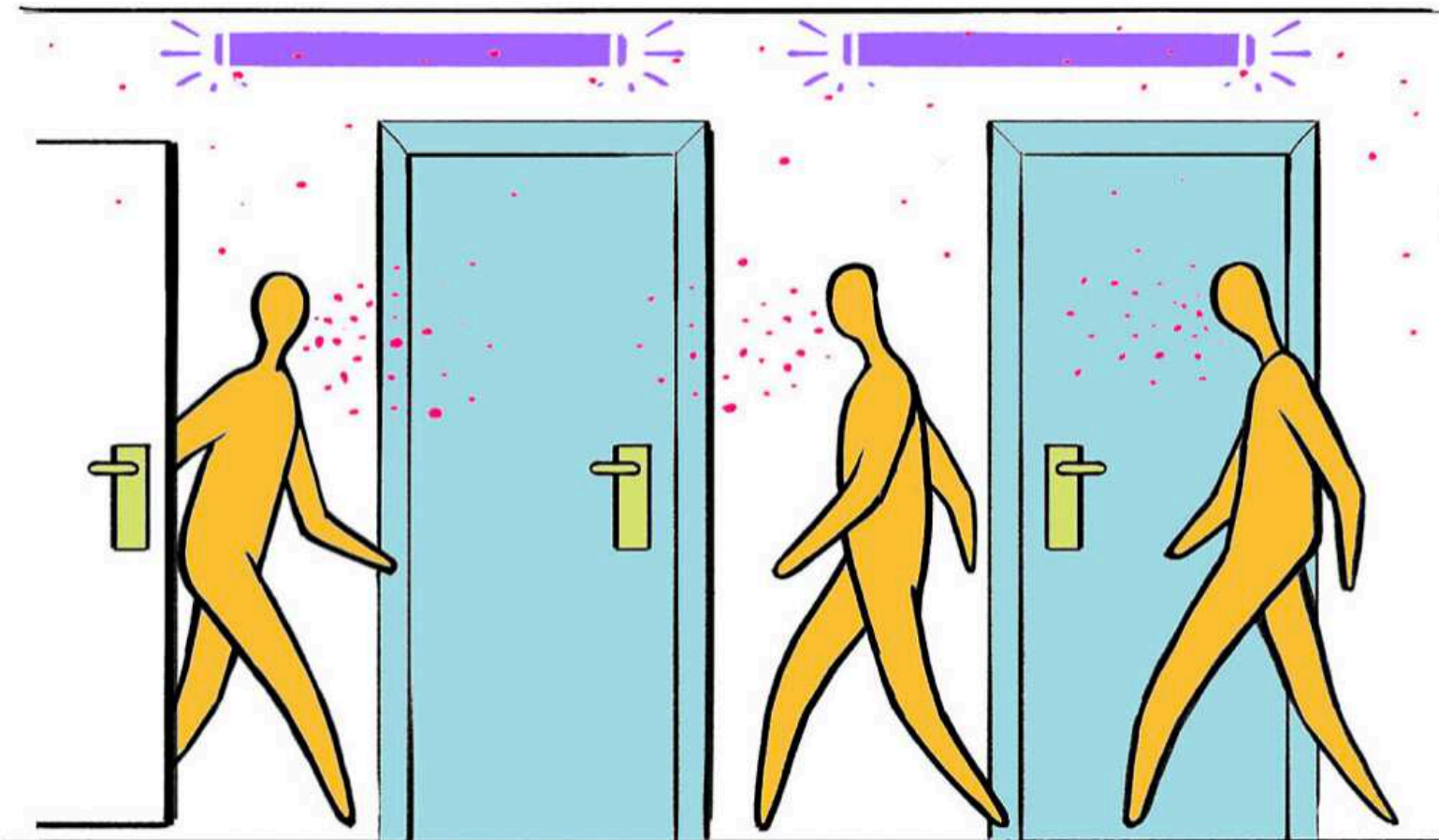
Research has show UVC to be effective at inactivating a range of viruses including the [COVID-19 Coronavirus](#)

Another potential benefit is the ability to reduce the labor and/or cost of chemical cleaning

UV-C Light Disinfection Protection Technology The Main Solution Against COVID-19

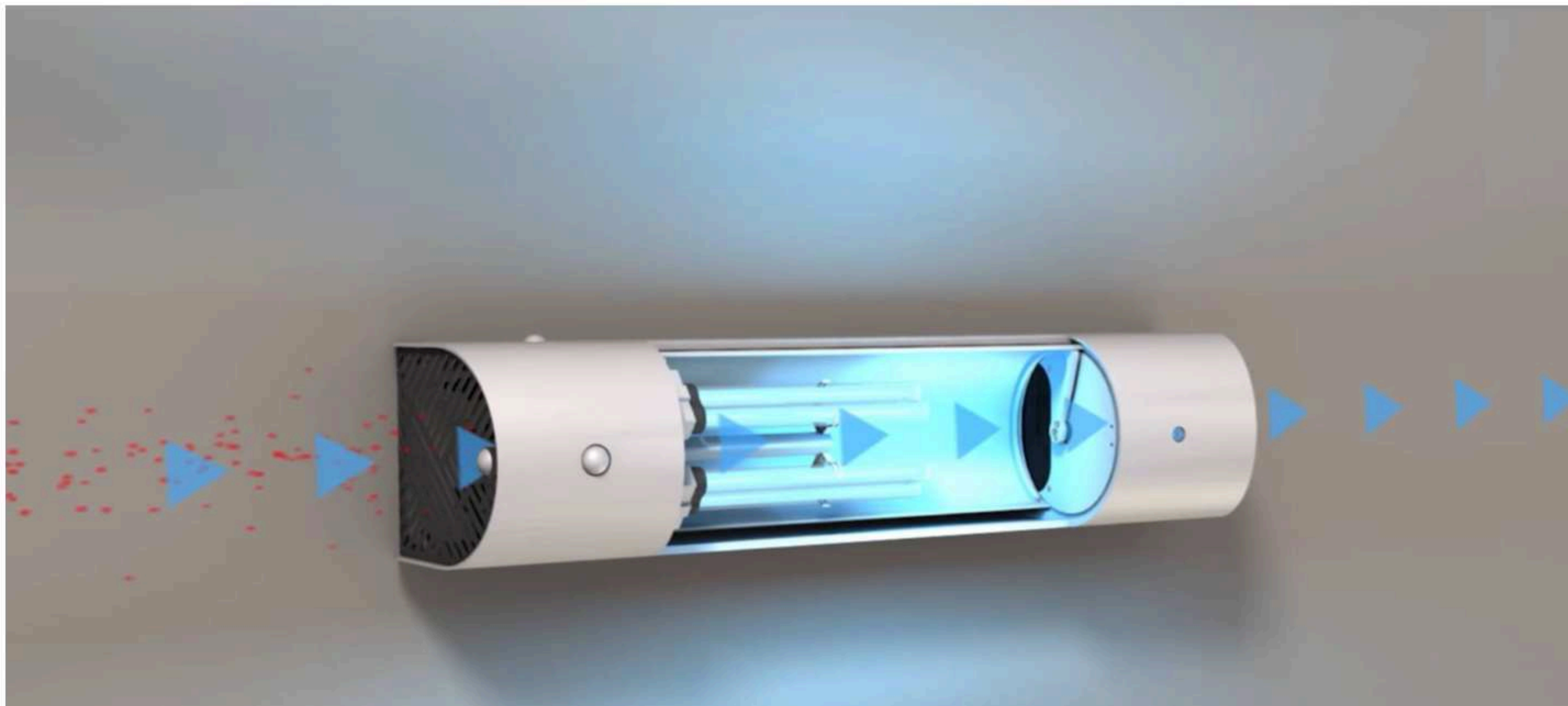
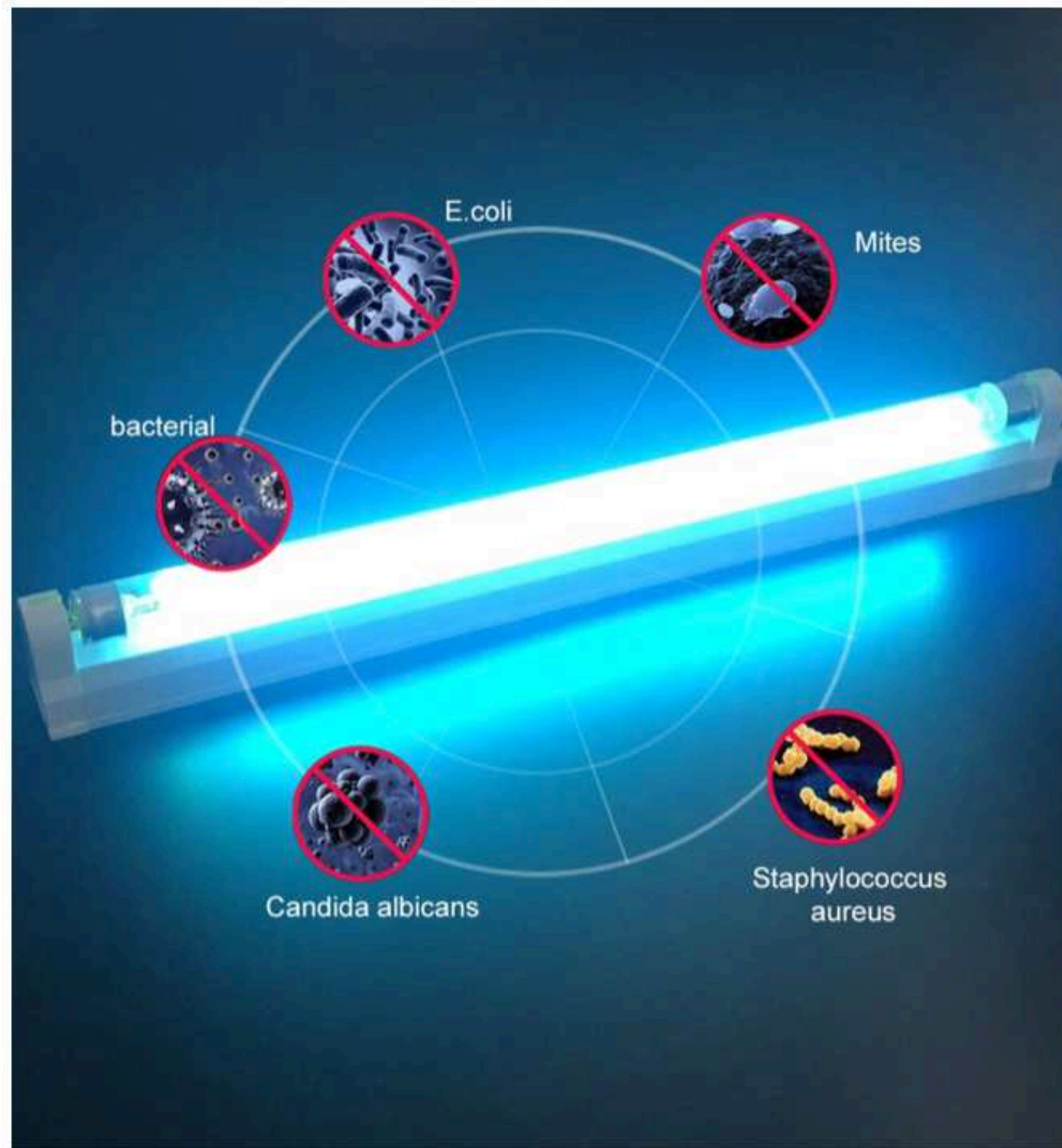


UV-C light protection





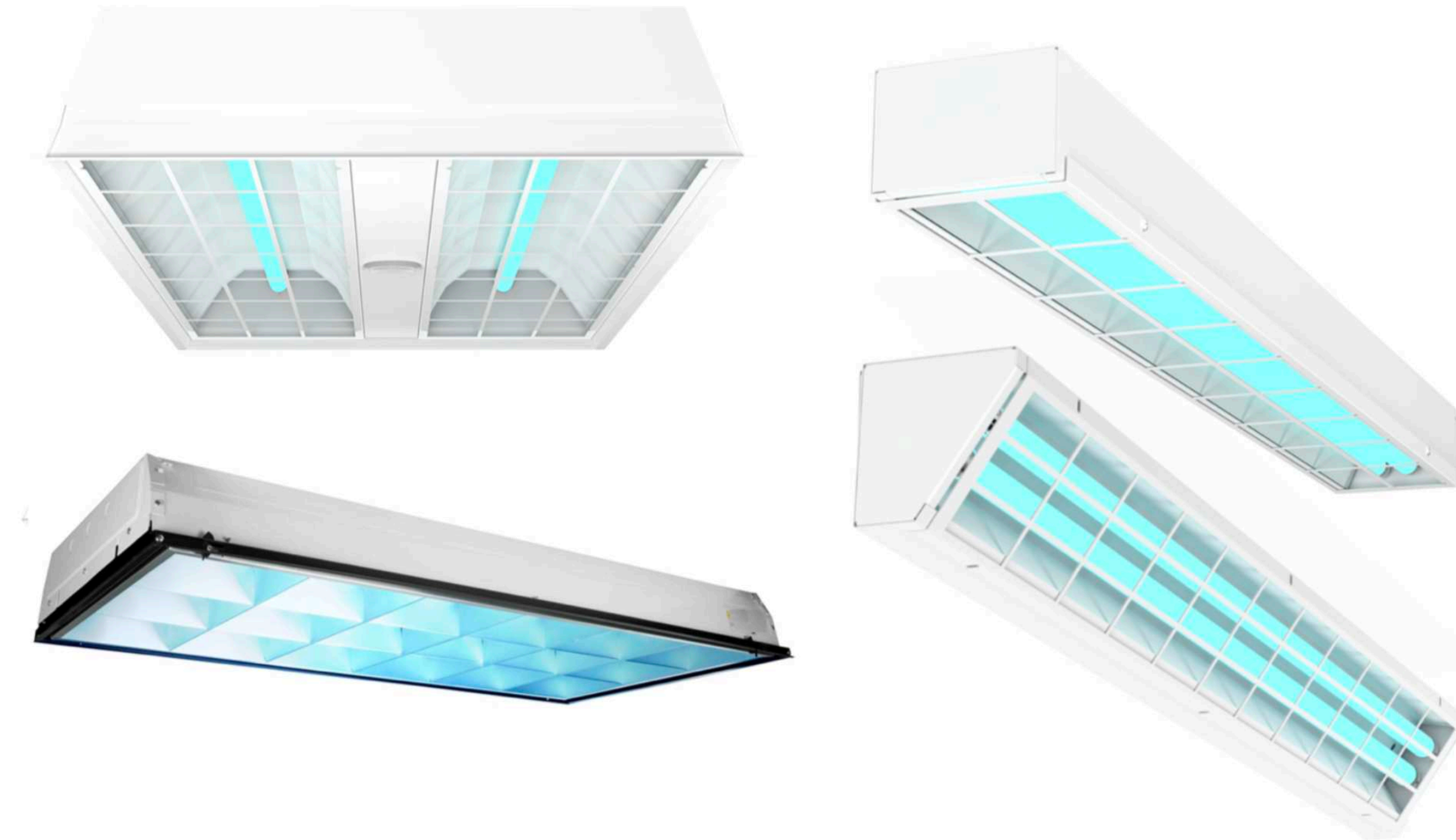
UV-C Lamps For Germicidal Homes, Offices, Schools



Ceiling And Room Corner Mount

UVC Disinfection Surface Ceiling And Wall Mounted

This powerful UV-C disinfection surface wrap is as versatile as its name. Perfect for any space that is unoccupied for any time frame. The 254 nm lamps stop viruses and pathogens in their tracks. This fixture comes in two distinct styles: a ceiling surface mount or a corner mount.



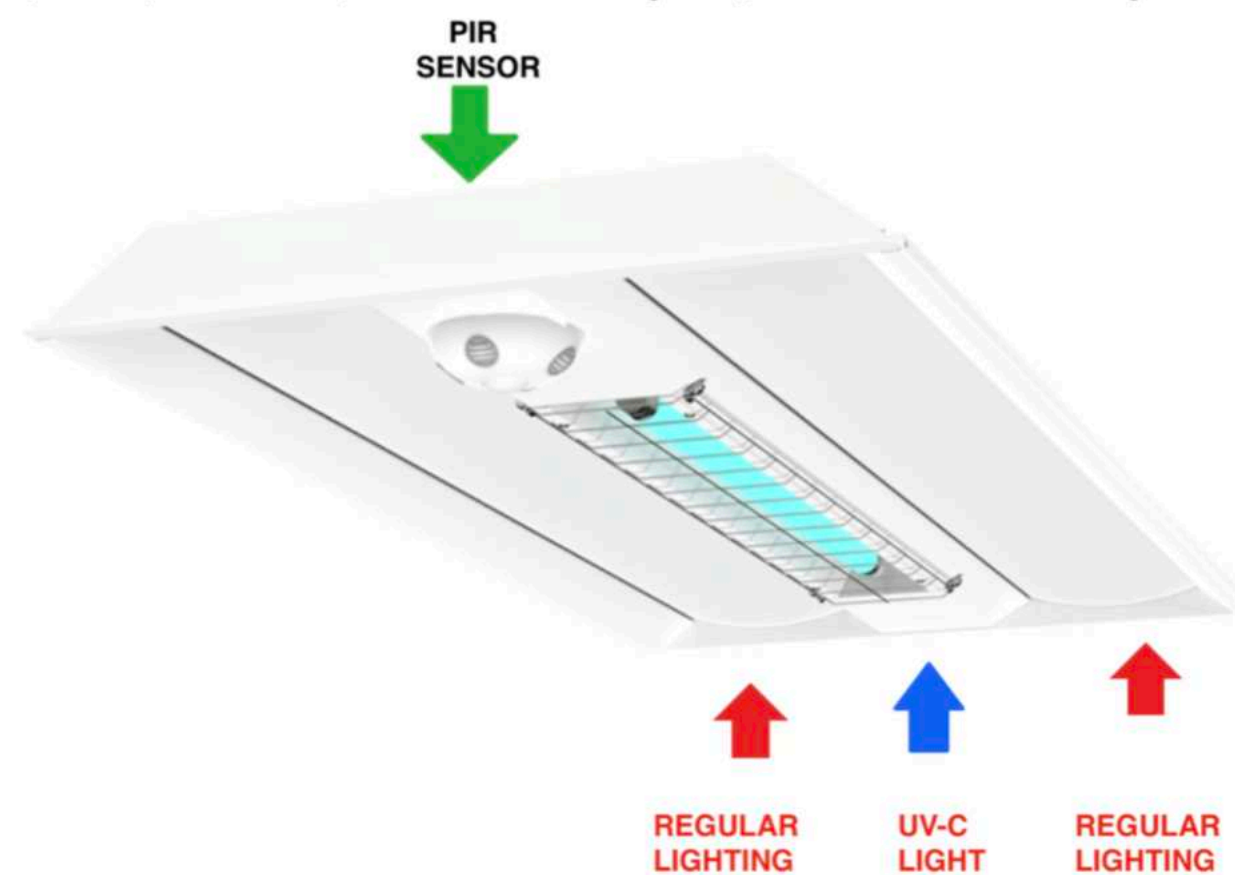
THE ULTRA-PURE UV-C PRODUCTS

Hybrid Regular LED Light Plus UV-C Disinfection Light Troffer Operating With PIR Sensor (Passive Infrared Motion Sensor)

2x4 foot UVC High Power Ultraviolet/LED Hybrid Troffer combats the spread of pathogens and microorganisms by inactivating them. The UV-C High Power Ultraviolet Hybrid Troffer is ideal for many applications and it quickly eradicates germs on multiple surfaces. This single troffer fixture delivers both UV-C disinfection and white LED light with comfortable, low glare illumination.

Occupancy sensor lighting control with both PIR and ultrasonic sensors up to 100 sqm

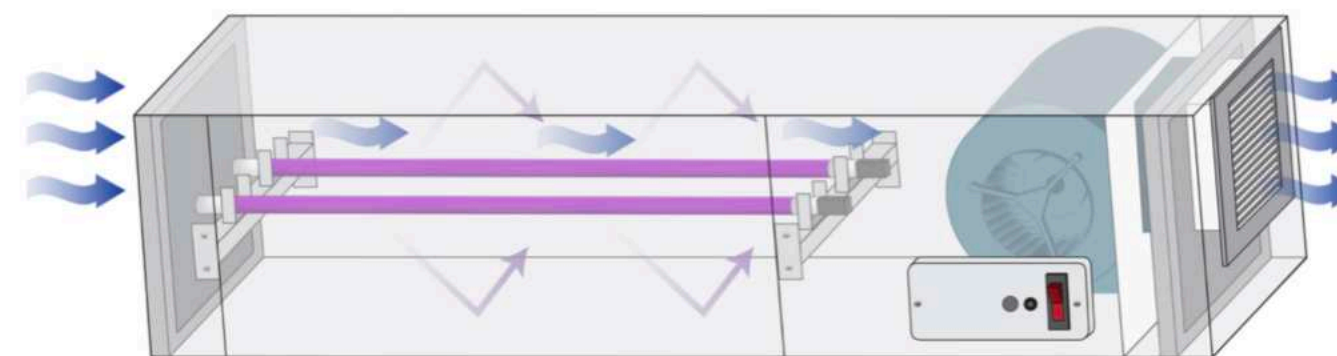
Applications: Medical Facilities, Schools, Daycare Facilities, Gyms, Spas/Salons, Furniture, Beds, Kitchens, Retails/Office Space, Healthcare and Hospitals



600X1200mm Ceiling Drop IMARI ULTRA-PURE Air Purification UV-c Units

Commercial UV Air Purifier

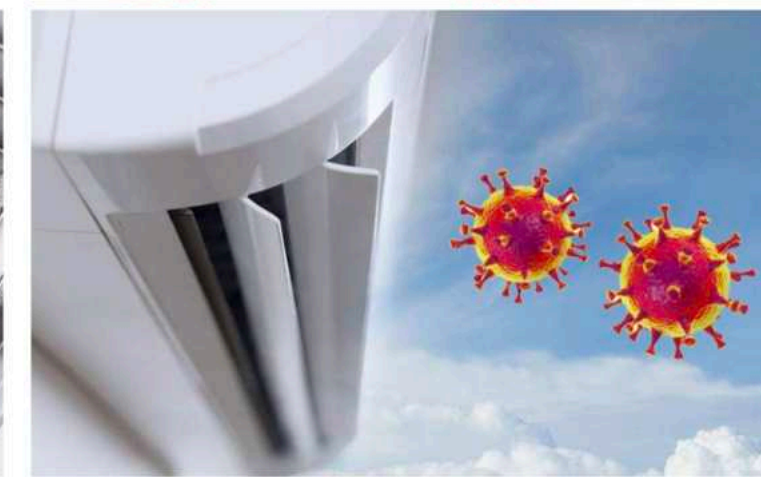
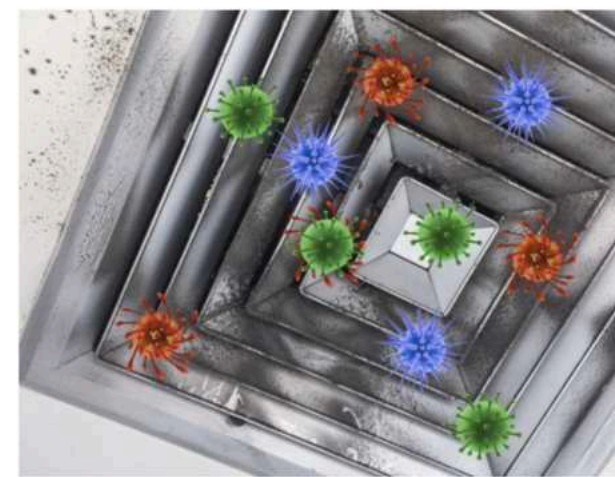
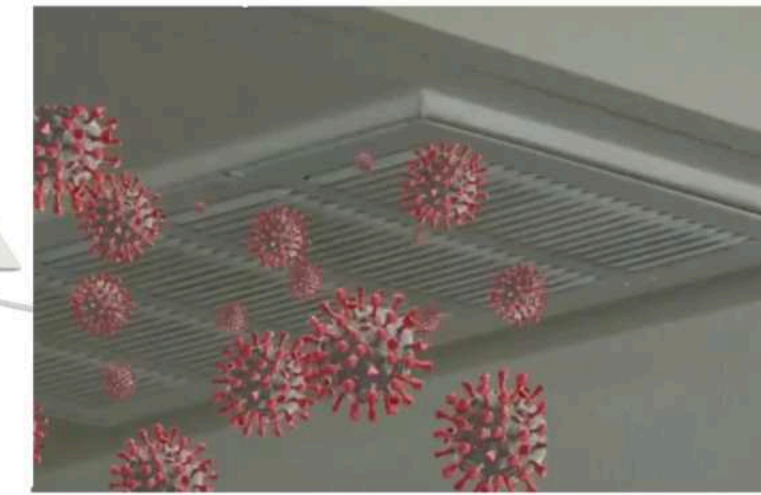
Commercial UV Air Purifiers utilize UV-C light technology to improve indoor air quality and provide protection against germs, bacteria viruses and COVID-19. These powerful air purification systems use circulating blower and UV-C lamps to deactivate microorganisms by damaging their DNA and RNA and remove their molecular makeup from the air stream.



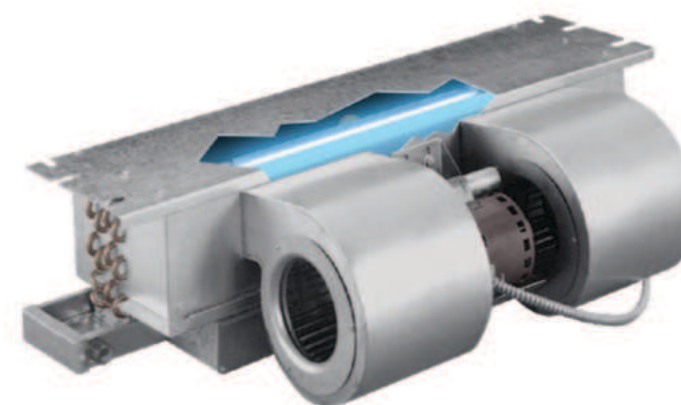
UV-C Light Disinfection In Hospitals



**INTEGRATED UV-C DISINFECTION IN HVAC AIR DIFUSERS
KILL GERMS, BACTERIA AND VIRUSES**

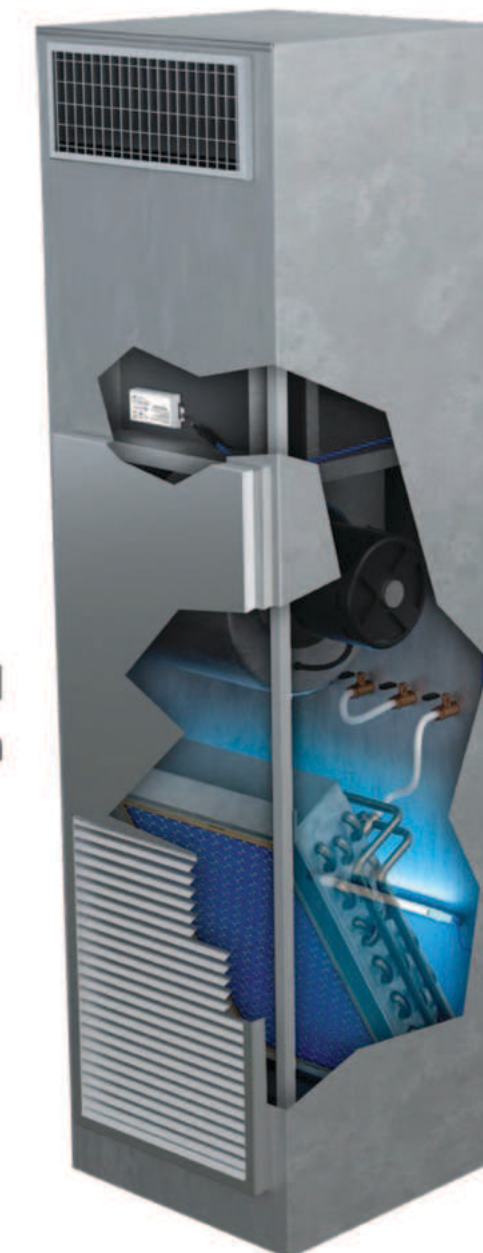


PTAC Application
(No light is visible when properly installed)



Fan Coil Application

Vertical Fan Coil
Application



HVAC,Fan Coil Units With Integrated Pre - Filters,
Carbon Filter, HEPA filter And UV Lamps

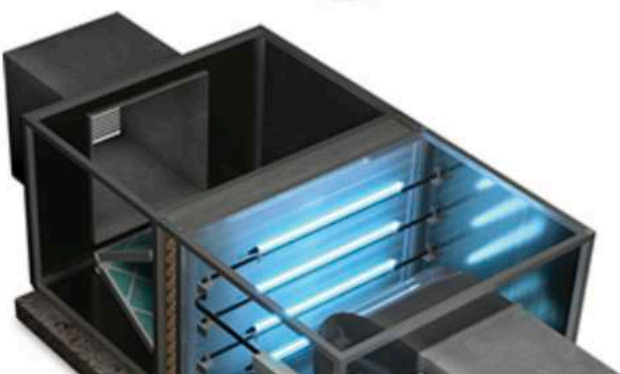
Filters out dust, pollen and other particles to make the air healthier by removing more than 99.85% of particles down to 0.3 microns Filters air without emitting ozone, a toxic gas that can irritate lungs Effective against common bacteria and viruses that can aggravate asthma and respiratory illnesses. and no additional power source is needed to keep it running Helps prolong the life of heating and cooling system by keeping it free from dirt and dust buildup Installs easily into ductwork to deliver fresher, cleaner air throughout whole home



UV Lights for HVAC

How Do UV Lights Help?

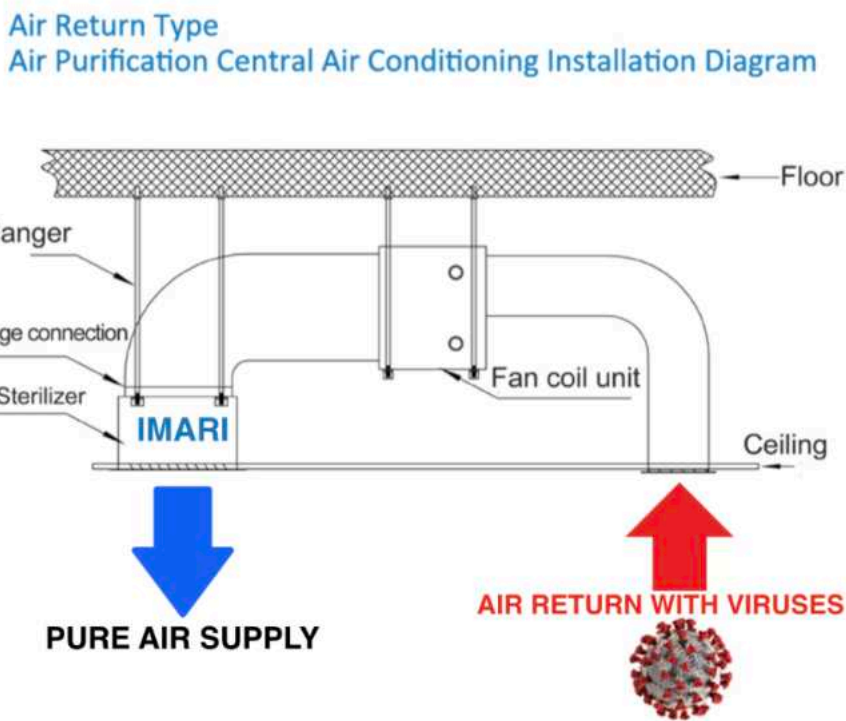
Fungal contamination in HVAC units is a widespread issue that shouldn't be ignored as it often contributes to building-related diseases, like infectious diseases, allergic rhinitis, asthma, hypersensitivity pneumonitis and lately COVID-19 spread according to the National Center for Biotechnology Information. Ultraviolet light helps kill a variety of harmful bacteria and mold, UV systems should prevent the organic build up on the surfaces of your HVAC system's coils, and in your ducts. An additional benefit of UV lights is that they improve airflow and the energy efficiency of your HVAC system, as well as eliminating the need for regular duct cleaning. Ultraviolet (UV) lights for air purification are more important for folks who reside in humid



IMARI PURO -TEC Drop Ceiling Air Purifier And Sterilization

Main Features

- 1)Air Purification And Sterilization With Integrated Pre Filter, Carbon Filter, HEPA Filter And UV-C Lamp
 - 2) High Sterilization Effect: natural bacteria in the air eliminated rate $\geq 99.00\%$
 - 3) High Purification Effect: remove PM2.5 $\geq 99.00\%$
 - 4) Widely sterilization: Bacteria, mold, escherichia coli COVID-19, ect.
 - 5) Energy Saving and environment protection: the device designed in module (1000m3/h) pre-filters can be cleaned after dust accumulation
 - 6) Modules Combination: Dimensions and handling air volume can be combined according to customer requirements.
 - 7) Install In Drop Ceiling 600X600mm Or 600x1200mm
- Down To 0.3 Micron, And COVID Viruses



Application Of UV-C In Building HVAC

UV Lights for HVAC

How Do UV Lights Help?

Fungal contamination in HVAC units is a widespread issue that shouldn't be ignored as it often contributes to building-related diseases, like infectious diseases, allergic rhinitis, asthma, hypersensitivity pneumonitis and lately COVID-19 spread according to the National Center for Biotechnology Information. Ultraviolet light helps kill a variety of harmful bacteria and mold, UV systems should prevent the organic build up on the surfaces of your HVAC system's coils, and in your ducts. An additional benefit of UV lights is that they improve airflow and the energy efficiency of your HVAC system, as well as eliminating the need for regular duct cleaning. Ultraviolet (UV) lights for air purification are more important for folks who reside in humid areas prone to mold growth or for those with severe health issues. You might argue that filters are sufficient for you, but the best HVAC UV lights do a better job at disinfecting and sterilizing the air in your home.

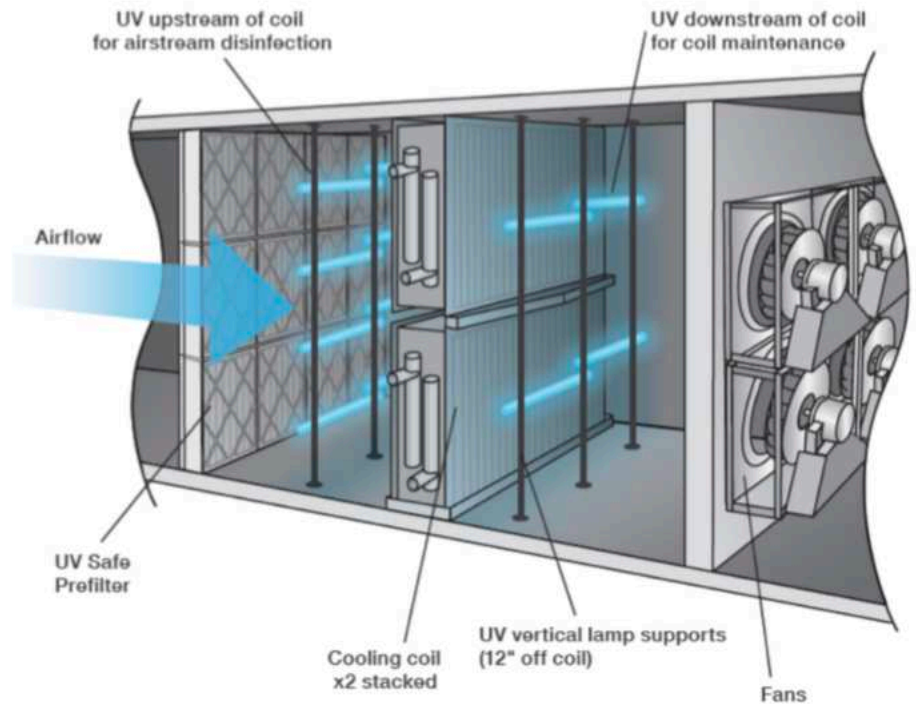


Eliminate Particles, Bacteria, Viruses And COVID-19 From Your Building

The IMARI HEALTH-PRO UVGI AIR HANDLING UNITS designed to reduce biofilm growth within HVAC systems in a practical and affordable way. The air handling units are equipped with micro filtration system consists pre filters, carbon filters and HEPA filters to eliminate particles contamination down to 0.3 micron, the units are equipped with specialized UV-C ultraviolet disinfection lights these UV germicidal emitters kills all bacteria, molds, viruses and COVID-19 strain. This HEALTH-PRO units are suitable for hospitals, malls, universities, schools, commercial and industrial buildings

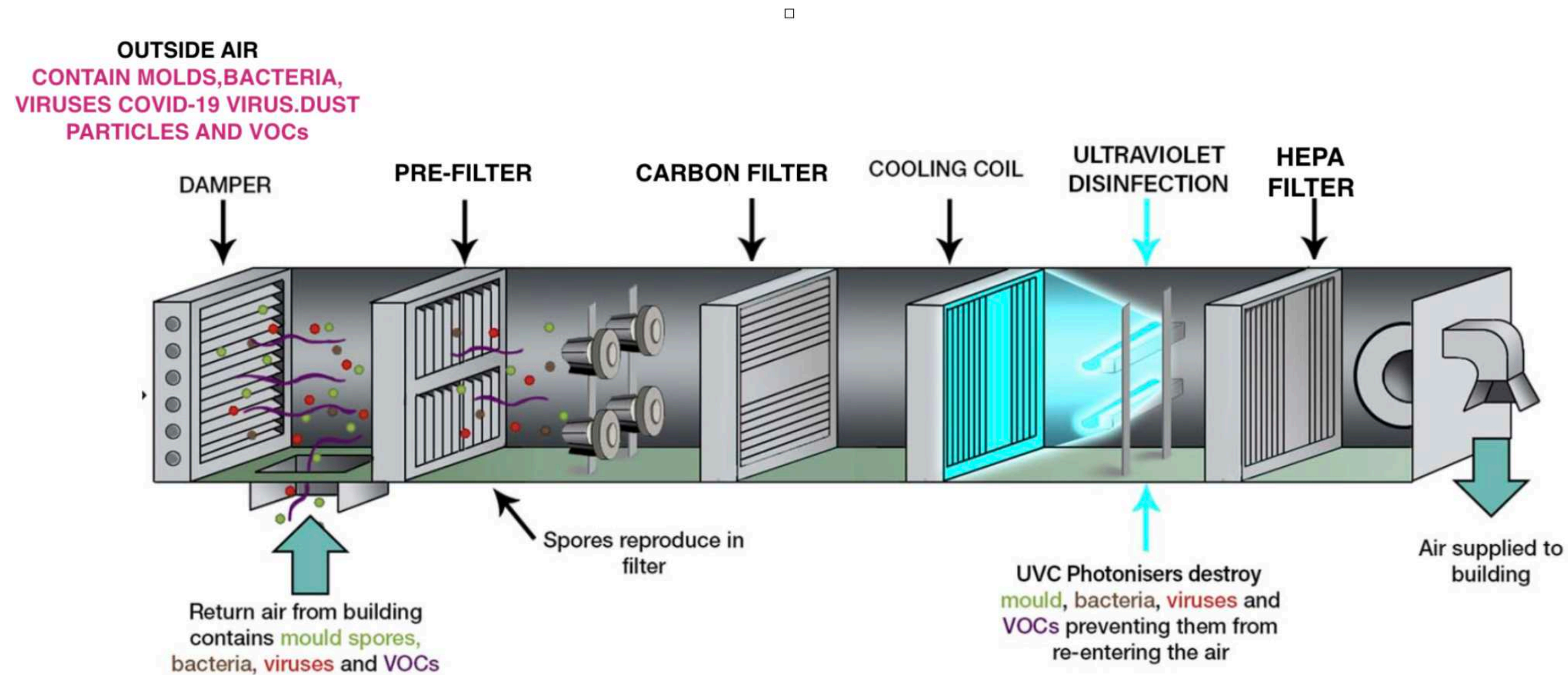
UV Lamp Placement Options

IMARI HEALTH-PRO UVGI AIR PURIFICATION AND DISINFECTION UNITS

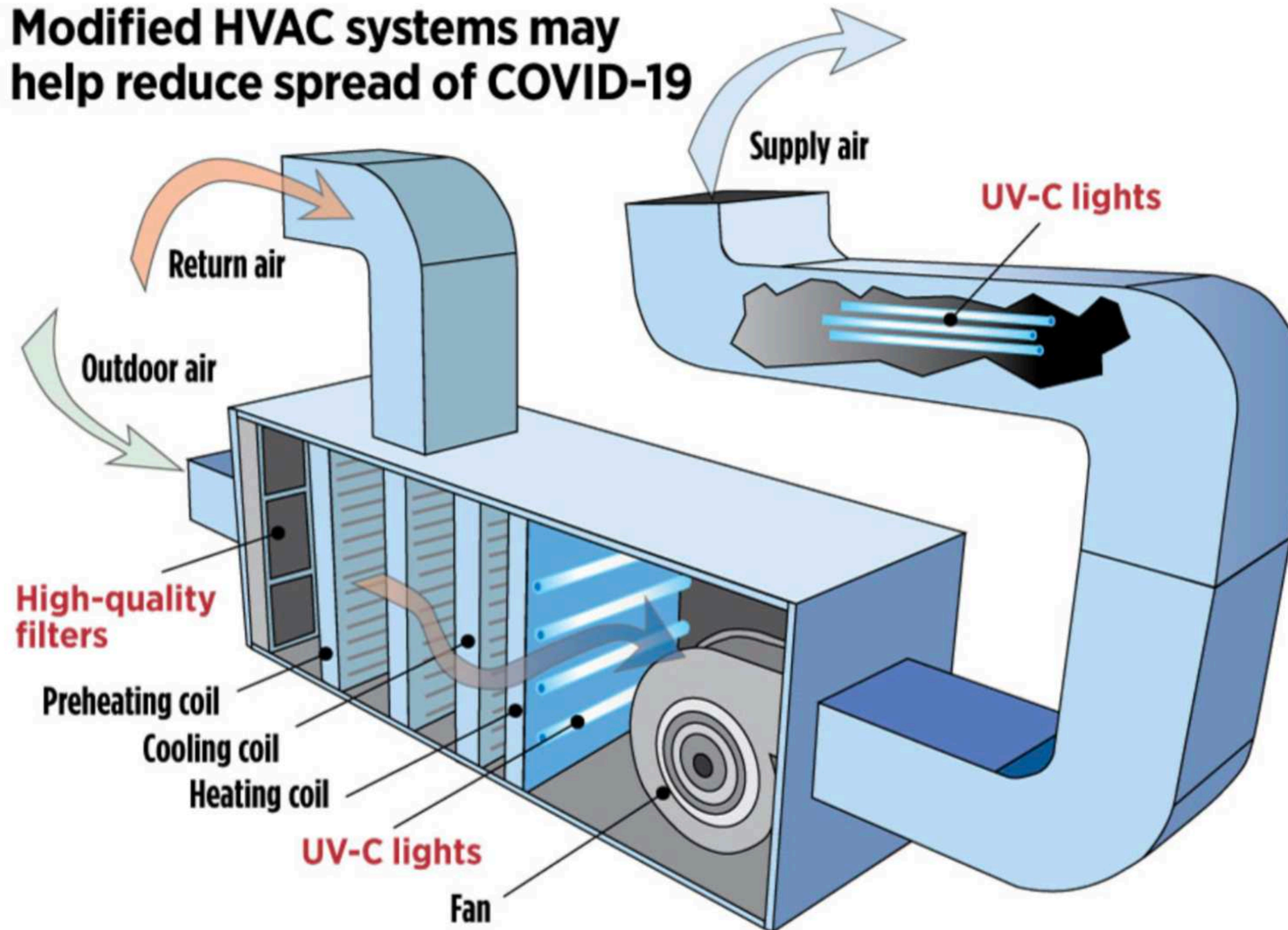


Custom Made HVAC Air Handlers To Fight COVID-19 And Any New Strain

Inefficient air-handling equipment may struggle to achieve the required indoor conditions During COVID pandemic, resulting in rising energy bills and increased maintenance requirement – not to mention an uncomfortable, unproductive and unhappy workforce. Contact IMARI And We Will Provide You With The Best Economic Solution

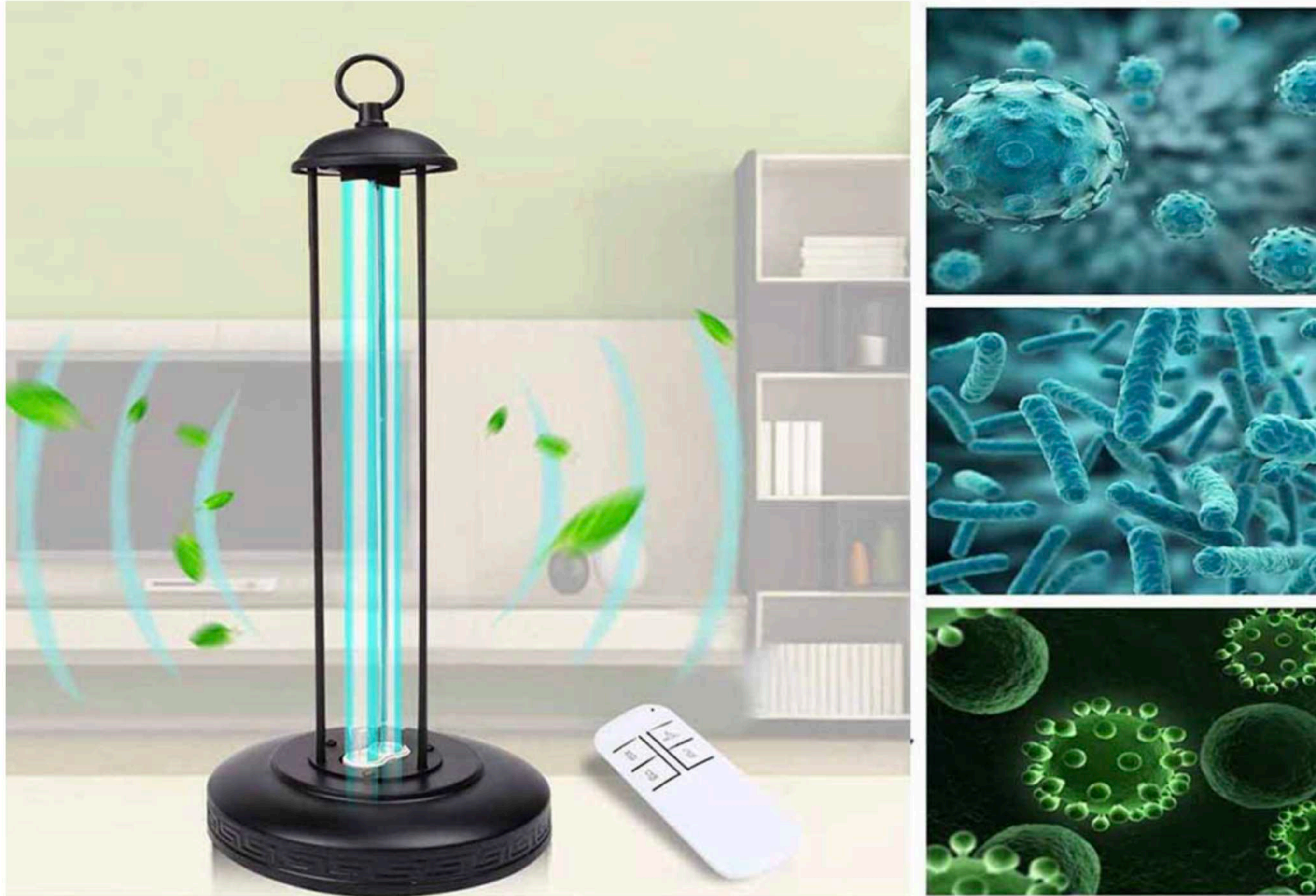


Modified HVAC systems may help reduce spread of COVID-19



To reduce the potential spread of coronavirus inside buildings, **IMARI** will upgrading the heating, ventilation and air conditioning (HVAC) systems in schools, offices and other businesses. The goal is to dilute contaminants by increasing air flow from outside, catch microscopic particles with high-quality filters and kill or deactivate the virus with ultraviolet light or ionization systems.

Home And Office UV-C Disinfection Lamps Eliminate All Bacteria, Viruses And COVID-19

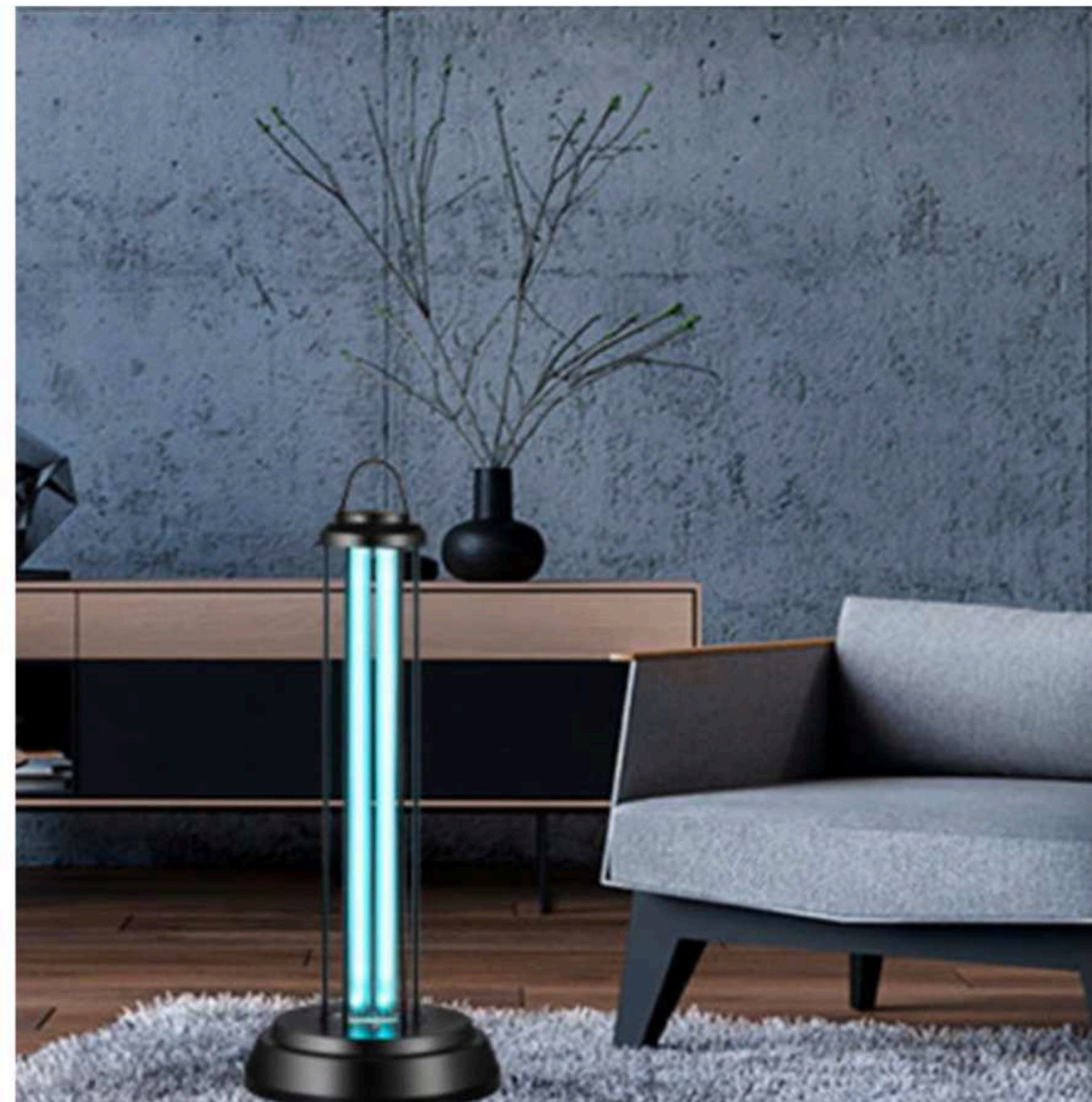


Disinfect Entire Rooms with The IMARI-KILL GERM UV-C Surface Sanitizer Tower

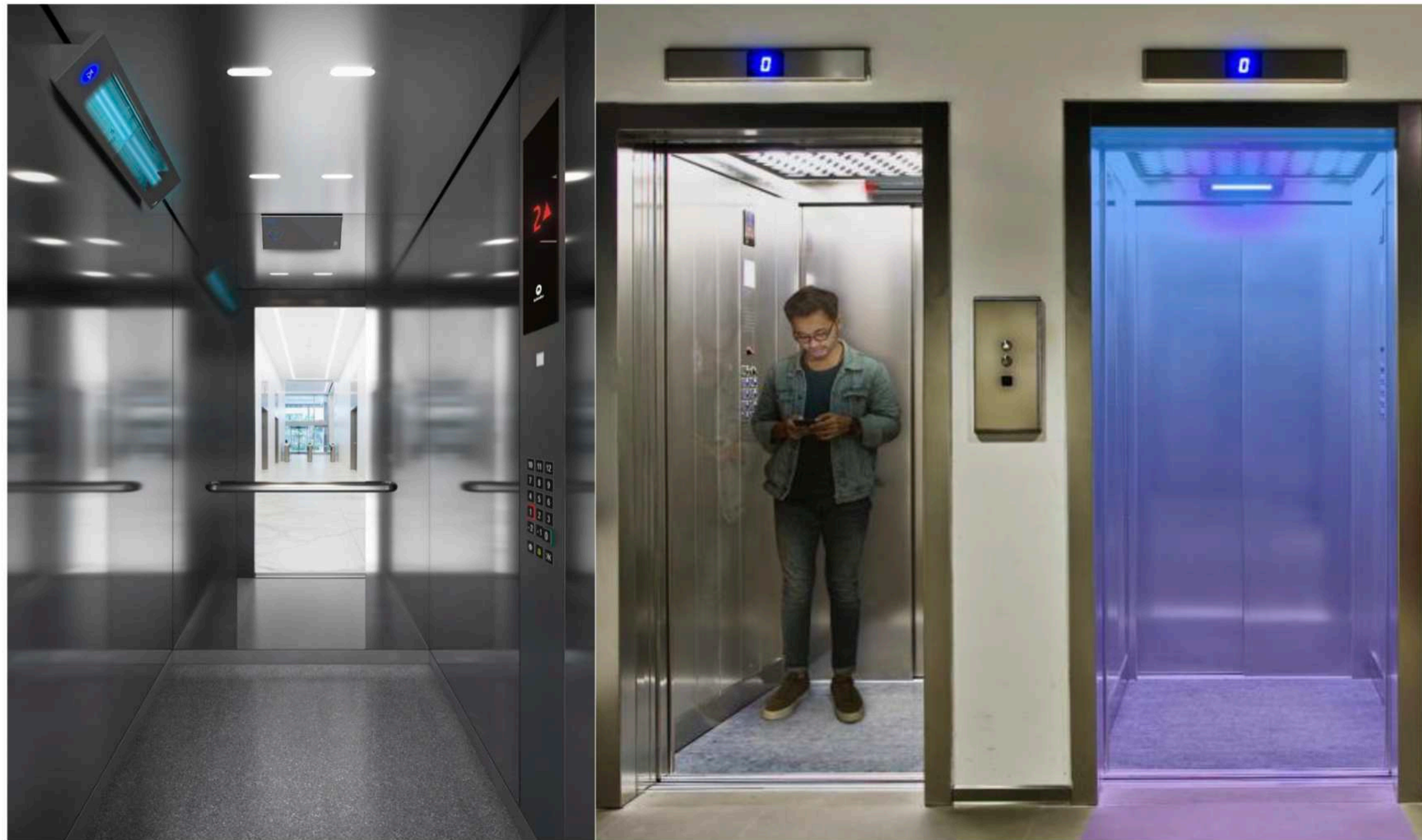
The IMARI lamp tower shines UVC disinfecting light in a 30 ft. circle to sanitize large rooms (up to 1000 ft²) in 360°

Simply place the unit in a room, choose your disinfection time, and turn the unit on. This prepares up the disinfection cycle, and will only start after you leave the room.

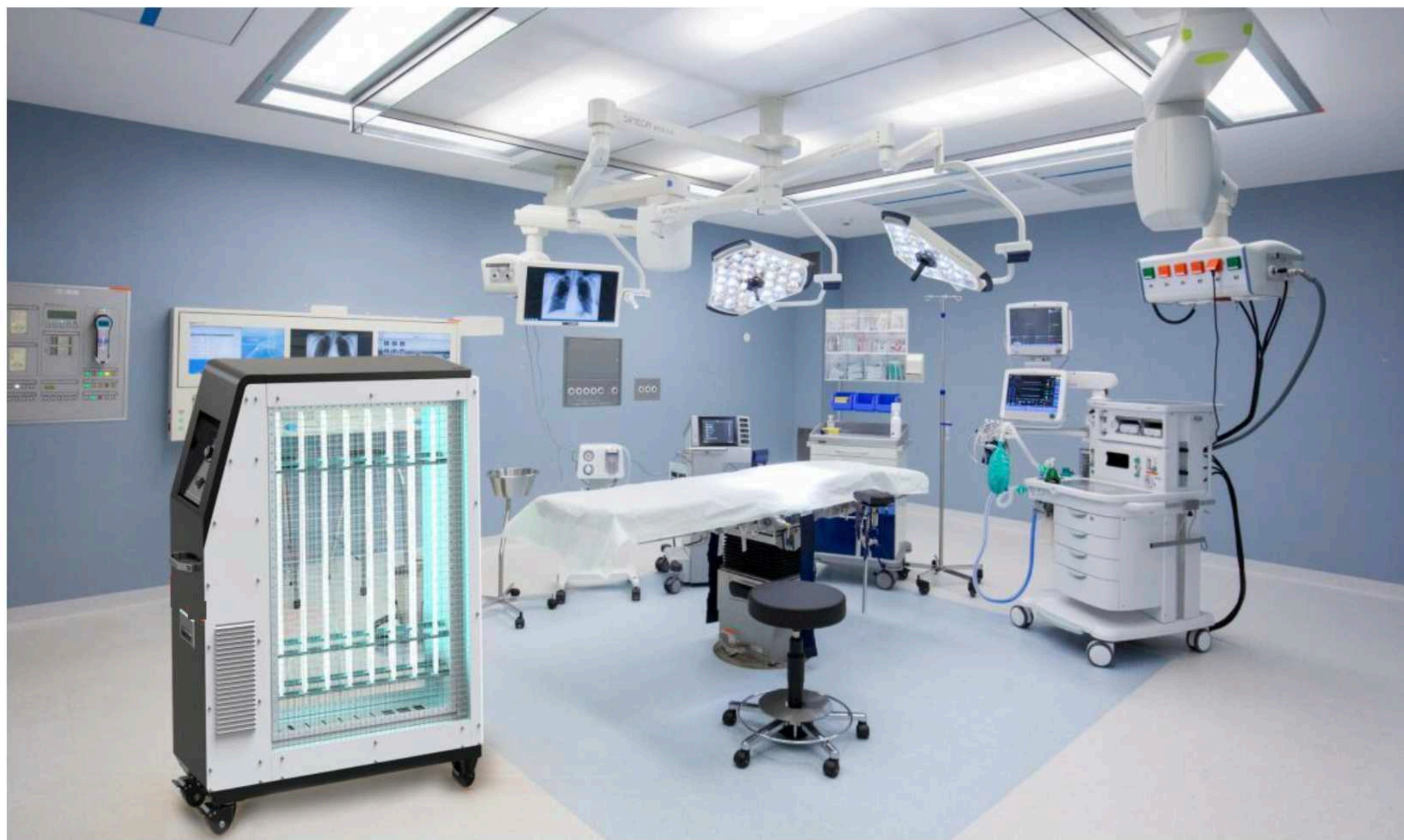
Once you leave, the tower turns on and the disinfection cycle begins. The UVC light disinfects the room for the duration of your chosen cycle. Then, when finished Apollo turns off and you come back to a clean and safe room.



The New Technology Of Elevator Disinfection Non Occupied Elevators Disinfection With UV-C



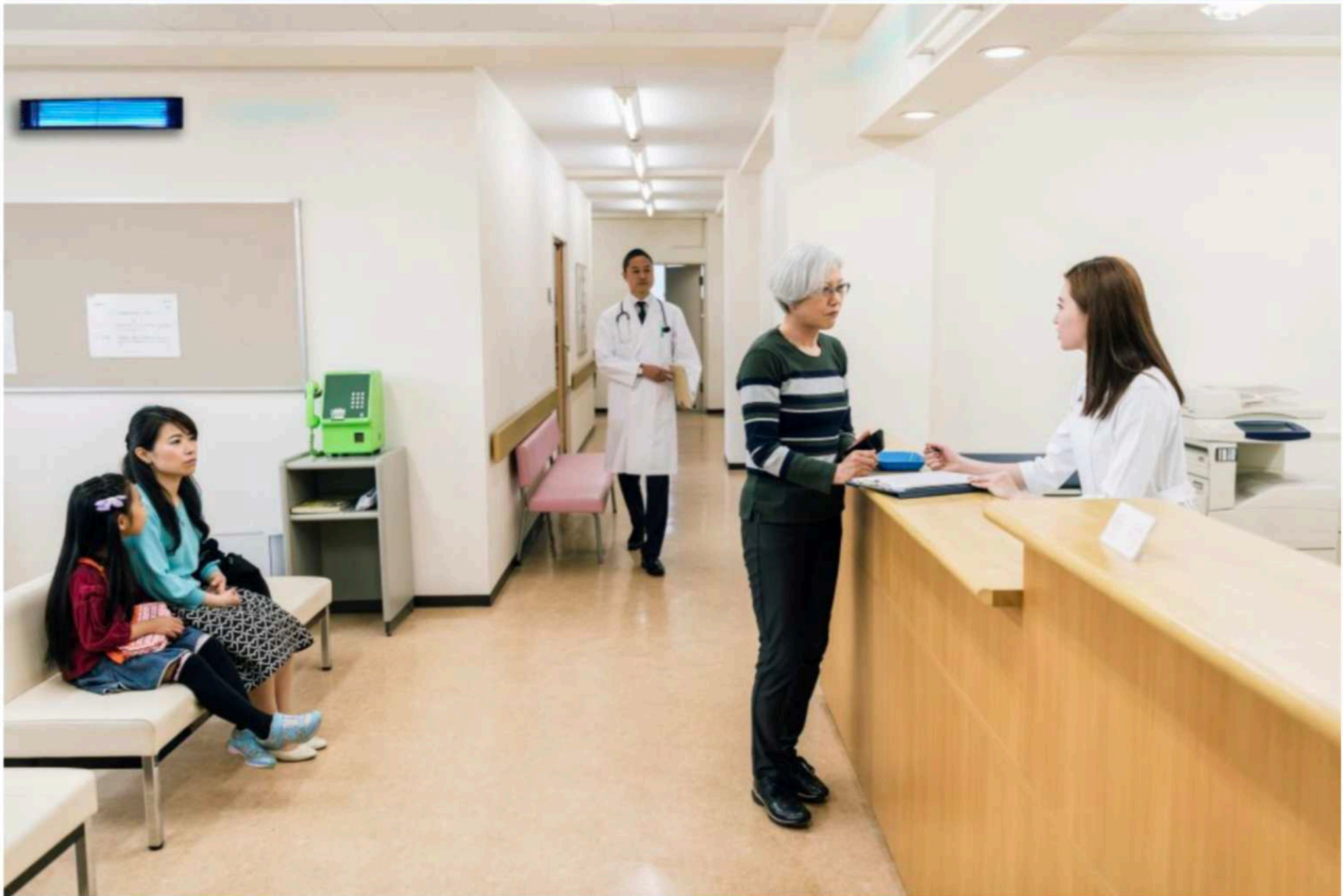
Imari Mobile Hospitals UV-C Disinfection Trolley



Hospitals And Doctors Offices Must Be Protected



UV-C DISINFECTION IN DOCTORS OFFICES



UV-C Light Disinfection In Hotel Room



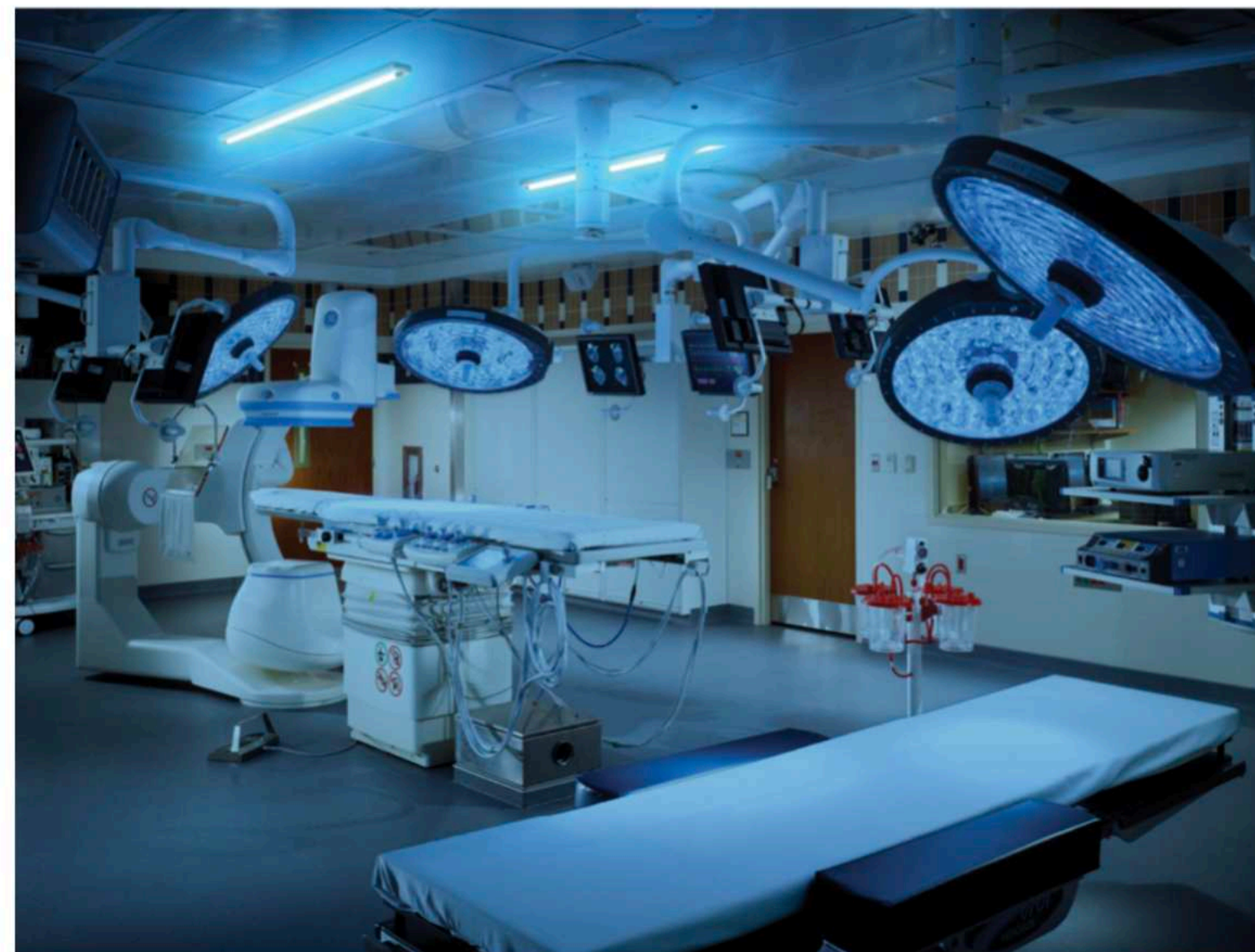
UV-C Light Disinfection In Waiting Rooms



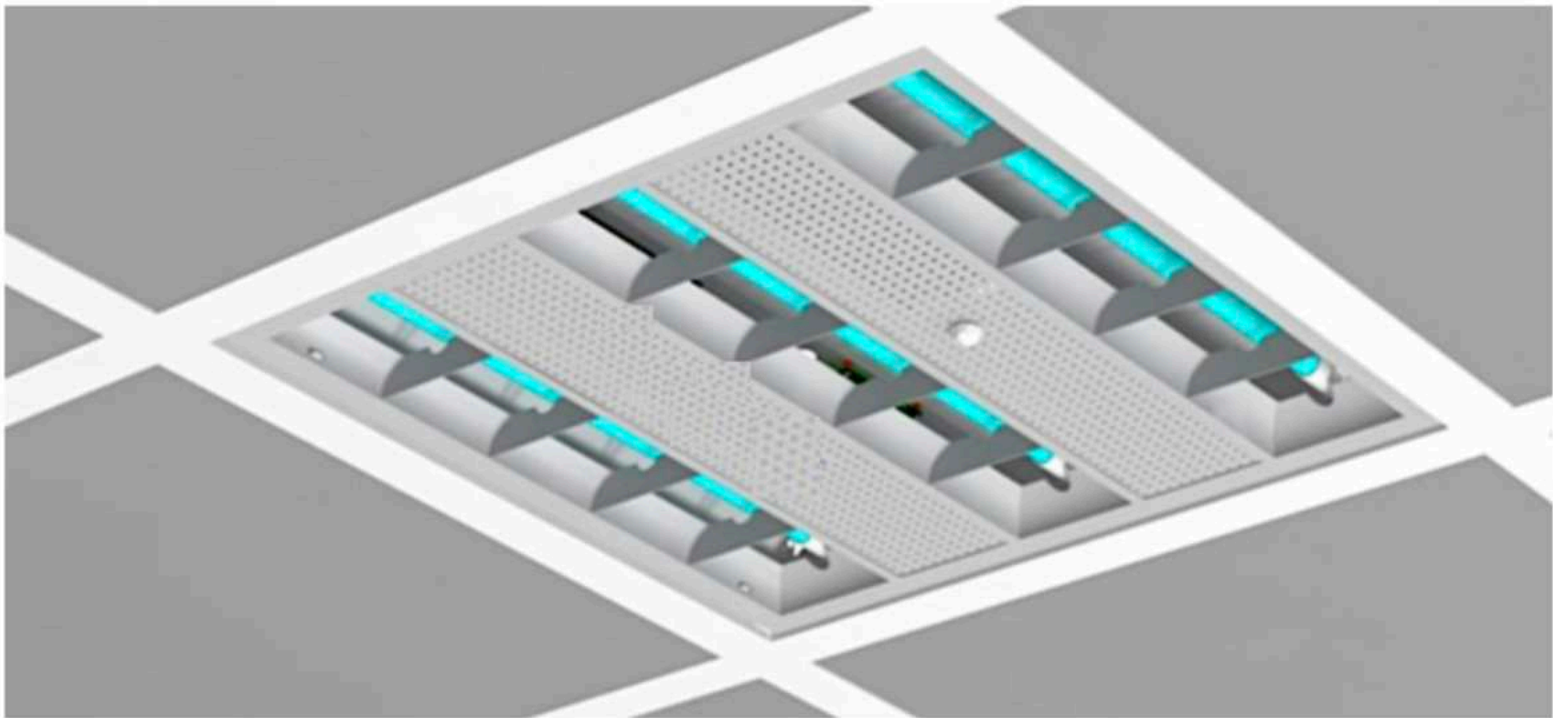
Automated UV-C Hospital Rooms Disinfection



Ultraviolet Radiation in the Operating Room



IMARI New Concept
Ceiling Mount UV-C Disinfection + HVAC Air Outlet



MARI air diffuser is a device that is **designed to provide two main functions in the same time**, UV-C disinfection lamps to destroy all bacteria, viruses and COVID-19 inside the rooms and air conditioning supply flow throughout the room. It works to increase the efficiency of air conditioning units by dividing and distributing cooled air. When an even airflow is maintained, drafts and hotspots in a room are eliminated, providing greater comfort to occupants, while increasing energy efficiency and reducing cost

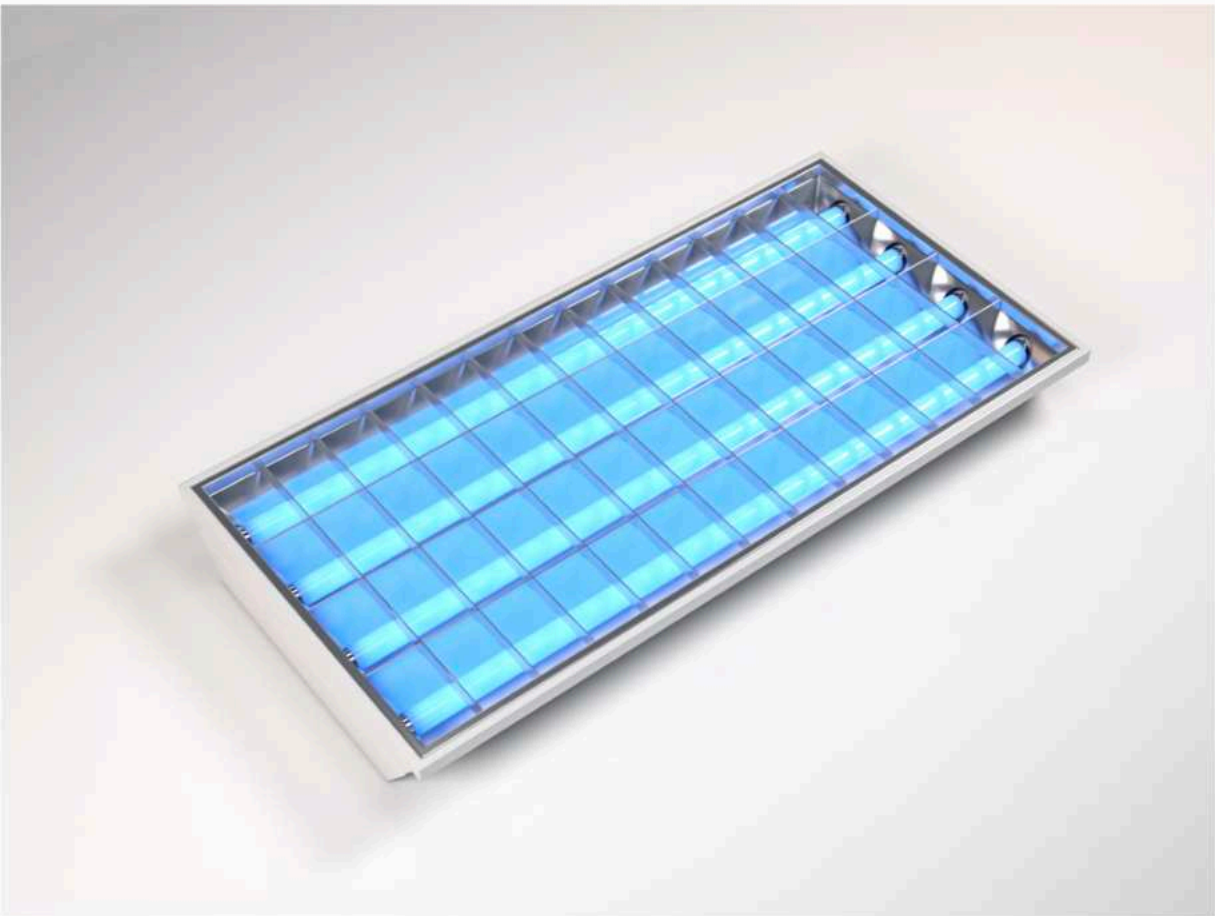


IMARI BLUE-WAVE CELLING MOUNT HVAC AIR DIFFUSER
WITH INTEGRATED UV-C IRRADIATION DISINFECTION

air diffuser is a device that is designed to provide uniform air flow throughout a room. It works to increase the efficiency of air conditioning units by dividing and distributing cooled air. When an even airflow is maintained, drafts and hotspots in a room are eliminated, providing greater comfort to occupants, while increasing energy efficiency. **The Integrated ULTRAVIOLET LIGHT will disinfect the air from all germs, bacteria, viruses and COVID-19**

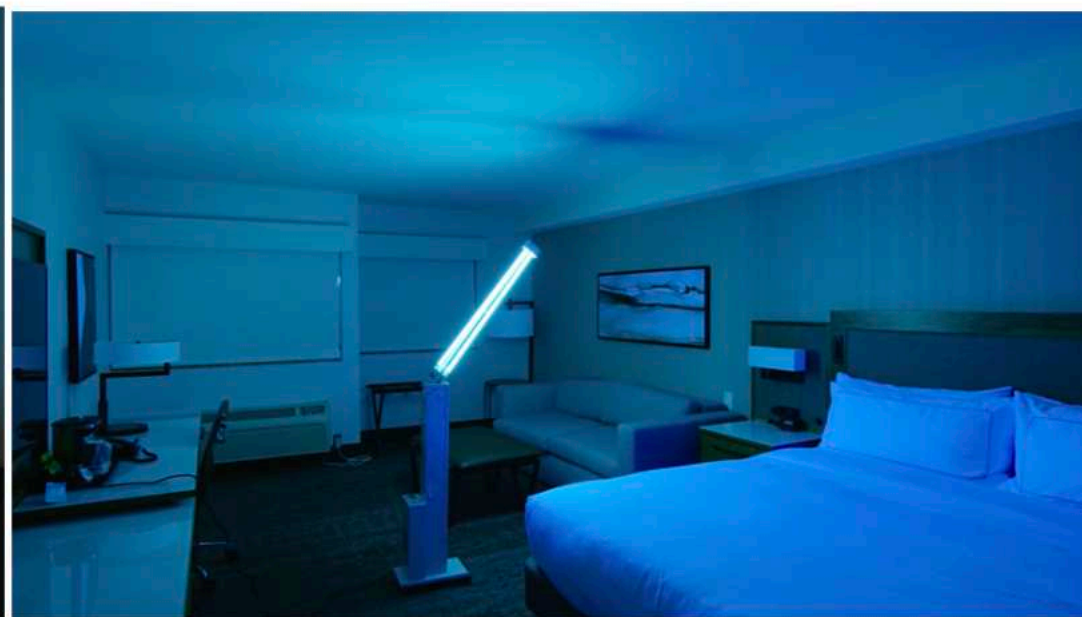


4-UV-C IRRADIATION LAMPS LIGHT FIXTURES
WITH INTEGRATED MOTION SENSOR





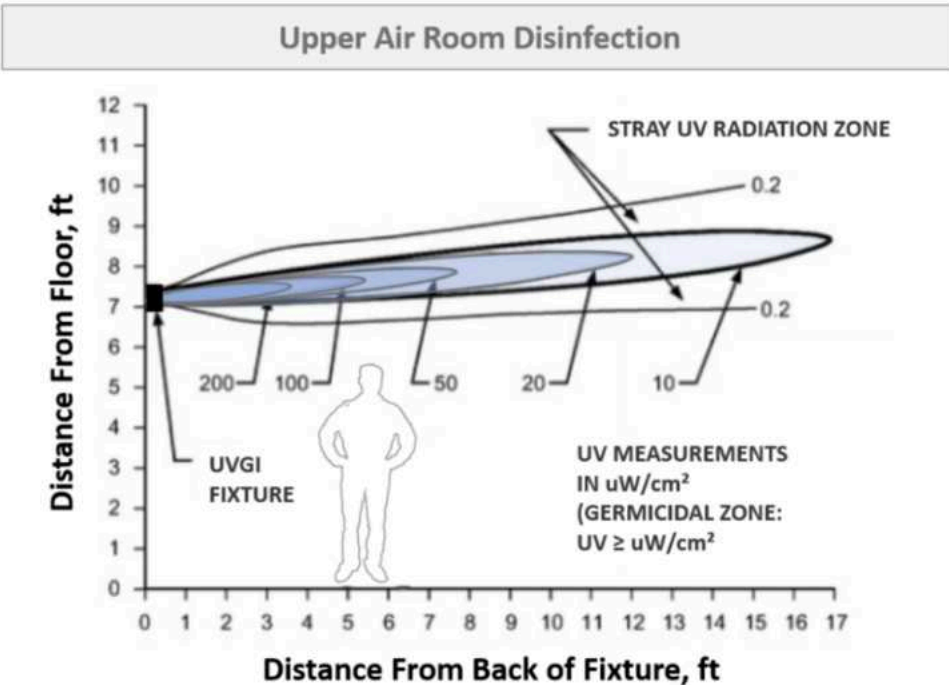
UV-C ROBOTS





IMARI Upper Ceiling Disinfection Fixtures With Germicidal UV Light

The upper ceiling in-room UV-C devices can acutely treat vulnerable or high traffic rooms, such as healthcare waiting rooms, K-12 classrooms and university campuses to kill germs, bacteria, viruses and COVID-19. The natural conductive flow of air in the room circulates the sanitized air, from the existing HVAC system as well as the opening and closing of doors and human movement. This device series comes in three different sizes to match the approximate size of the rooms, multiple devices are recommended for areas larger than 300 sq ft.



Upper Room Germicidal UV-C Light Fixtures For Eliminating Bacteria, Viruses And COVID-19 In Occupied Spaces



UPPER ROOM UV- C DISINFECTION FIXTURES

Disinfect All Hospital Wheelchairs Using IMARI BLUE-RAY UV-C Disinfection Technology



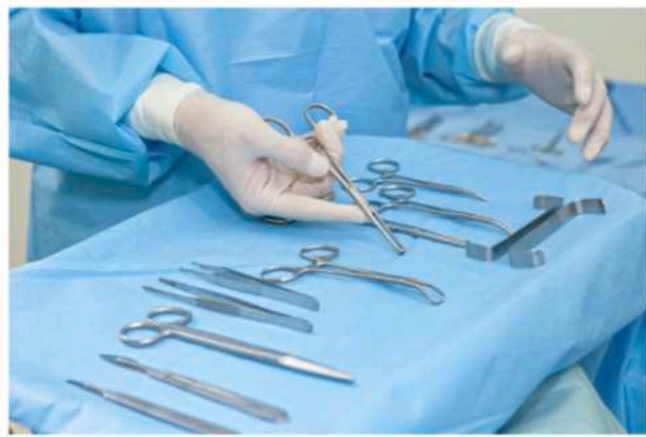
IMARI UV-C Ultraviolet Irradiation chambers

The UV-CHAMBER is a high-efficiency chamber designed to create ultraviolet light irradiation conditions known to safely decontaminate contents while providing a safe work environment for the operator. High intensity UV-C lamps are positioned within the cabinet producing short wave ultraviolet light at 254 nm creating light emission conditions known to destroy exposed surface DNA of germs, bacteria and viruses, leaving evidence free of contamination prior to other forensic tests, analysis or procedures.

UV Chamber is suggested for its different utility in a wide range of medical clinics and labs

UV CHAMBER BENEFITS

Ultra violet Sterilizer can be effectively installed at different places like Operation rooms , ICCU, ICU, NICU. Post operative wards, trauma wards, mortuary etc. It is suitable for small laboratories where bacteria and virus-free air is desired to guard against cross infections from patients.



SUN-RAY UV-C Hand Sanitizing Solutions

Reduce the Spread of Viruses and Bacteria in Seconds

People fail to correctly wash their hands 97% of the time, even in a healthcare setting, healthcare providers clean their hands less than half of the times they should. Healthcare-Associated Infections (HAIs) continue to spread, leading to extended patient length of stays, death and steep financial penalties for healthcare facilities. Improve hand sanitation best practices by using the clinically proven effectiveness of UV-C light. Handy UV-C Hand Sanitizing Solutions sanitize hands and other small objects such as eyeglasses and cell phones by killing microorganisms at the cellular level in seconds. The Handy products are a touch-free way to kill germs without messy and costly gels and alcohol refills that leave behind a residue. The Handy UV-C lamp provides 99.9% sanitation efficacy in three seconds.



UV-C Disinfection Cabinets

Many industries are turning to UV-C light disinfection, for healthcare applications. The benefits of utilizing a germicidal ultraviolet light sanitizer for portable devices enables the destruction of pathogens including bacteria and viruses and COVID-19 by deactivating DNA and disabling their ability to multiply.



UV Sterilizer and Disinfection Cabinet

UV Sterilizer and Disinfection Cabinet (UVSD) is a portable cabinet equipped with UV-C lights that kills up to 99.9% of bacteria and germs on items placed in the cabinet in minutes. The box is equipped with three UV-C lamps, protected by steel grids to prevent damage and a safety position to turn off the UV lamps when the door is opened.

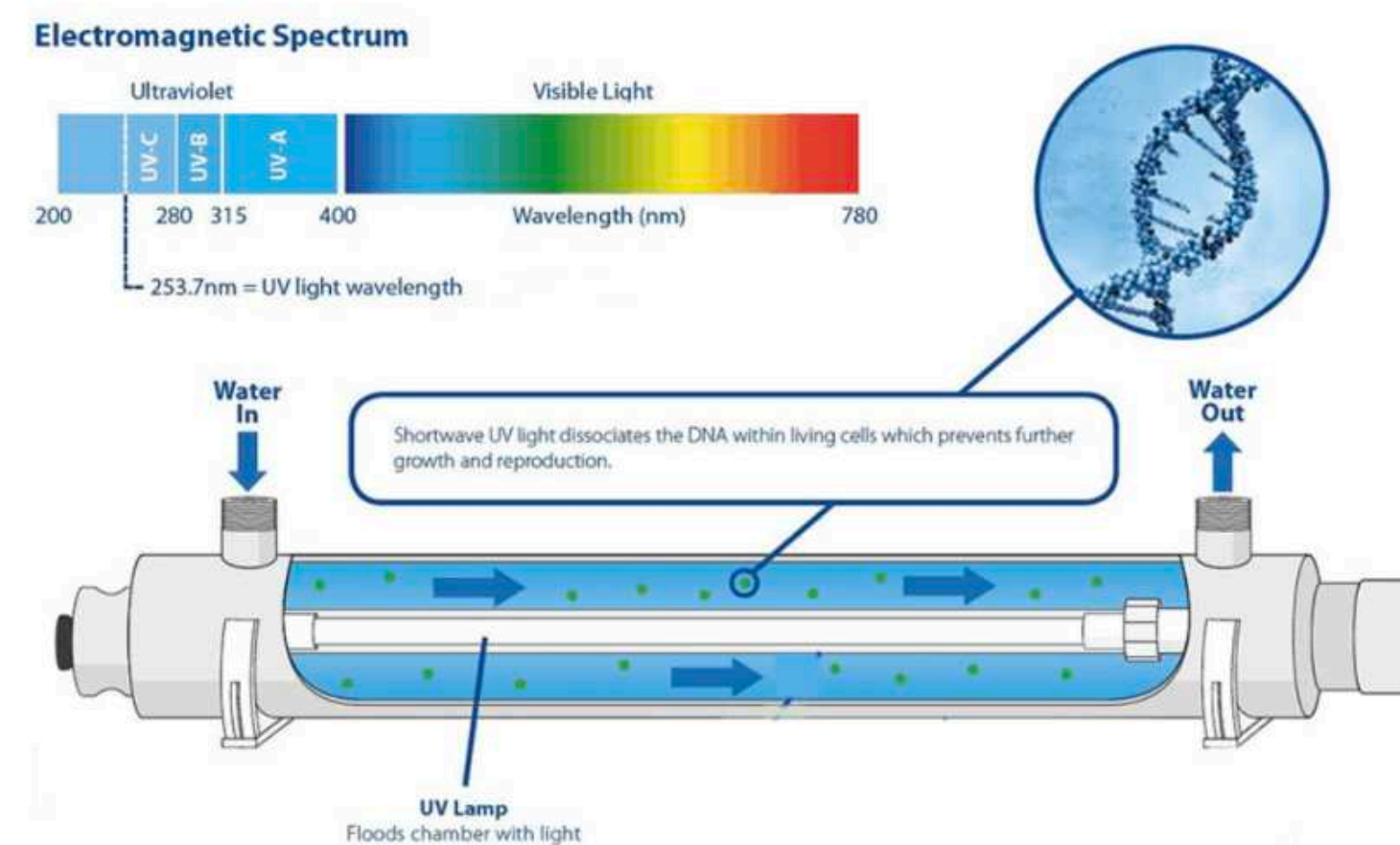
Whenever the door is closed, UV lamps turn on and begin the disinfection of the internal space and target surfaces. The high intensity UV lamps are positioned within the cabinet producing short wave ultraviolet light at 254nm to destroy exposed surface DNA of bacteria, and viruses leaving evidence free of contamination.



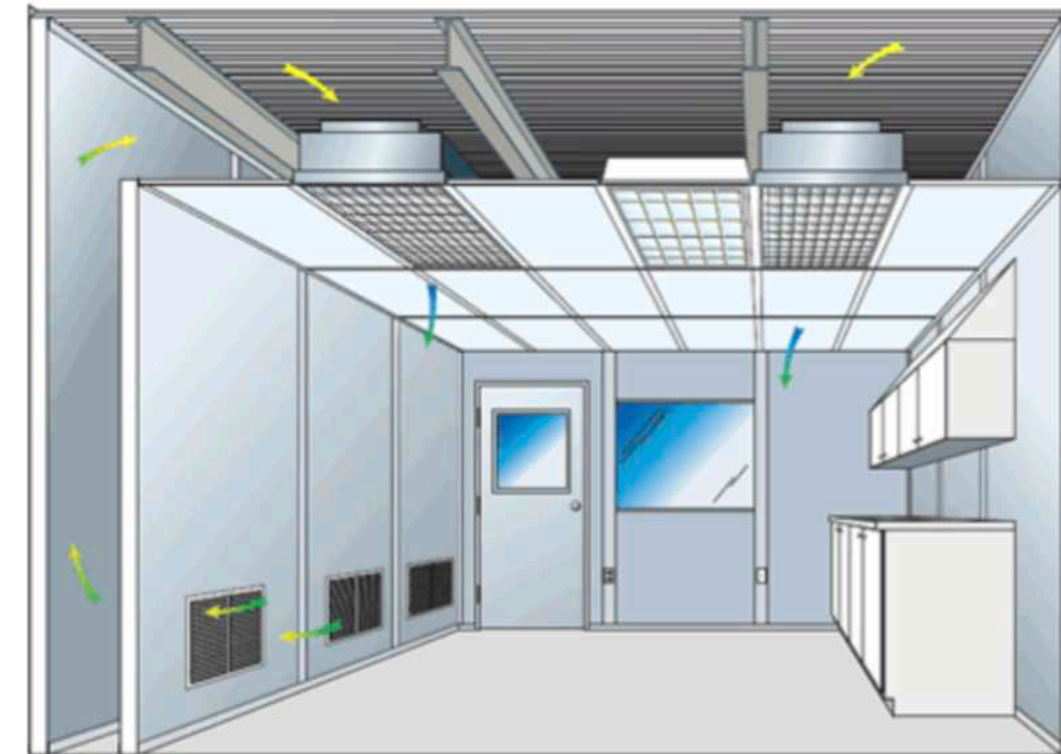
UV For Water Disinfection

UV Disinfection System is an extremely effective way to combat microbial contamination in water. UV Disinfection Systems are used in many different applications ranging from the purification of drinking water in individual homes , food processing and supermarkets .

- Bio- Pharmaceutical – Water used in Pharmaceutical and healthcare products and for CIP (Cleaning in Place) must be free of chemicals like chlorine, ozone, and pathogens. Most pharmaceutical companies depend on **UV systems for water disinfection**.
- Cosmetics – Water that is free of microorganisms and toxins ensure quality and enhance the shelf life of cosmetics. UV Sterilization is the preferred choice for the cosmetic industry across the globe.
- Centralized Drinking Water – A **UV drinking water disinfection system** is an easy, affordable solution to ensure pure water in each and every tap of your home or office

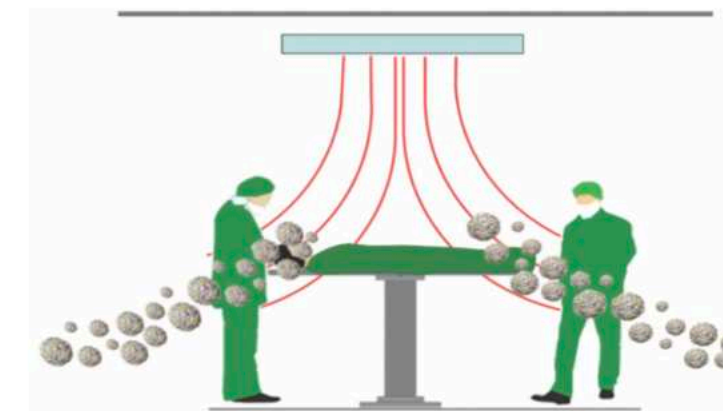


HOSPITALS CLEAN ROOMS OPERATING ROOMS



Clean Rooms For Hospital Operating Rooms

The global market for cleanrooms is expected to rise at an average rate of almost 15 percent each year between 2020 and 2025. The pharmaceutical and medical device industry is projected to make up much of this demand, as they need cleanroom environments to limit exposure to dust, airborne particulates chemicals, viruses and COVID-19 virus . As thousands of patients die of infections developed during a hospital stay, medical facilities may also consider investing in cleanroom technology, such as air cleaners, to prevent the chance of infection.

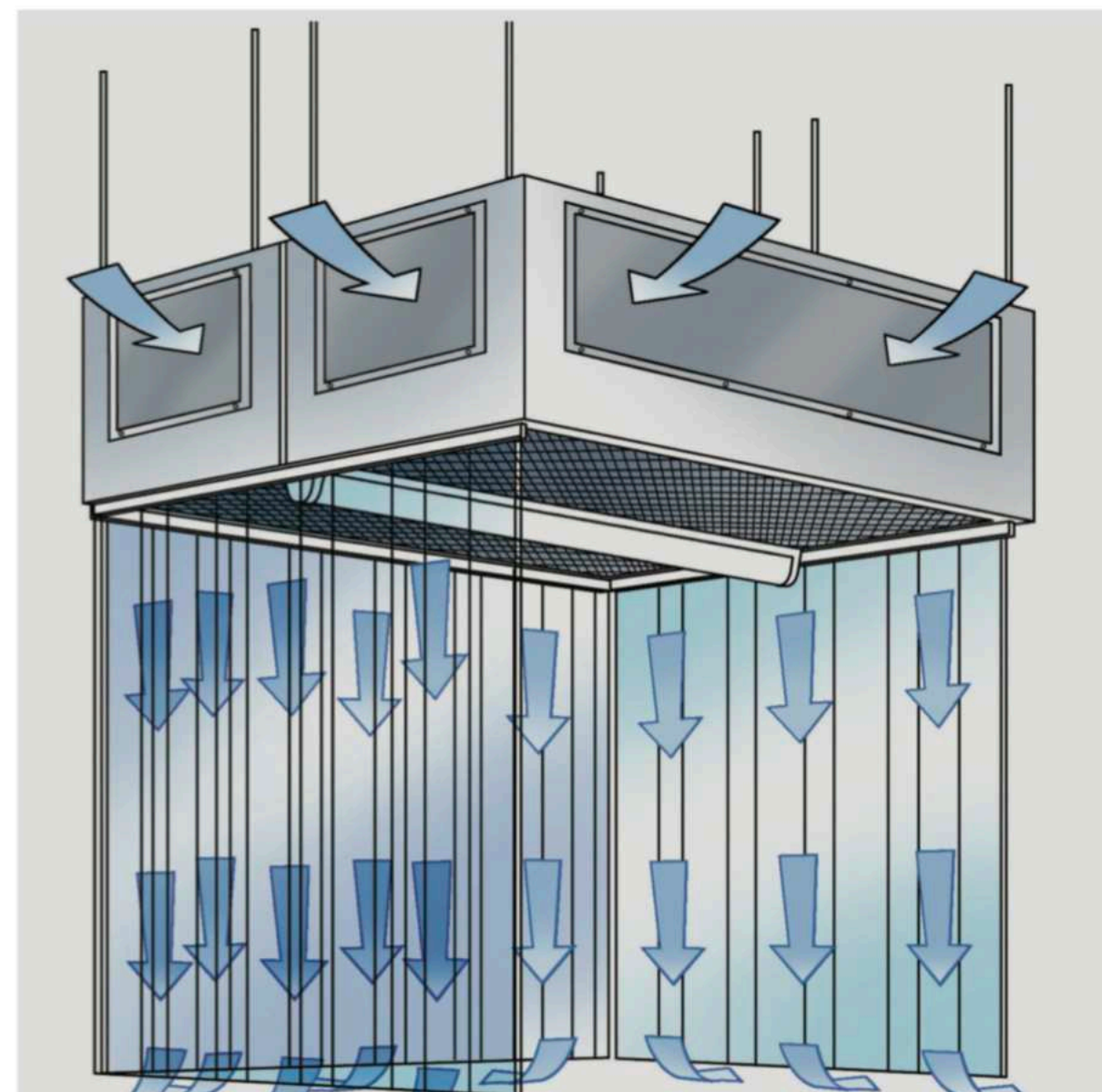


Modular Cleanroom Systems

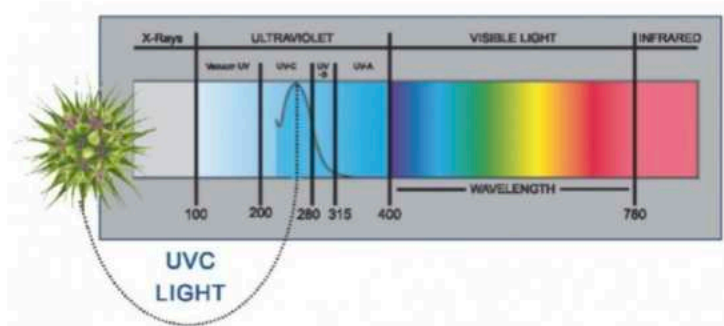
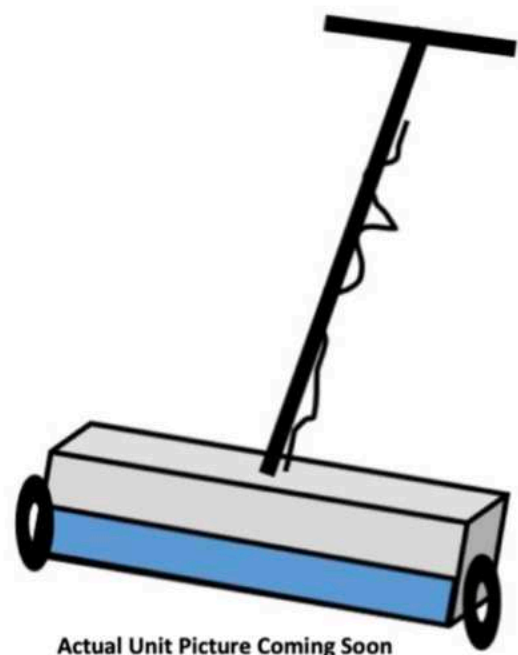
The IMARI clean room System is an all-purpose solution for creating a cleanroom or environmental enclosure that will fit almost anyone's needs. Designed for applications from ISO 4 to ISO 8 cleanroom environments, the system is a versatile yet cost effective solution for simpler applications involving basic process segmentation or control over air quality, temperature, or humidity.

Soft Wall Clean Rooms

A modular ~~softwall~~ cleanroom from Technical Air Products is a flexible, cost-effective way to create a clean air environment. allows you to quickly and easily turn any space into a high-performance cleanroom.. Our modular cleanroom design makes it easy to install and move, and economical to add on to.



UV-C Vacuum Disinfection For Floors, Seats, Beds And All Services



Furniture And Beds UV-C Disinfection





Whole Area Air Purification And UV Disinfection System

Enjoy Super Clean Air in Operating Room, large office area, universities, schools and restaurants using IMARI Air Purification System with 3-Stage Portable Air Purification! That Easily Attaches to Air Handler. Includes MERV pre-filter, HEPA 13 Filtration, charcoal filtration Deluxe Twin Bulb Germicidal UV Light, the system will Remove Odors, Dust, Smoke, Chemicals, VOC's, and Kill Bacteria, Mold & Viruses for Maximum Allergy and Asthma and COVID-19 elimination

Air Treatment System For Hospitals

Infectious Disease Control With Ultraviolet Light

Non-ozone generating.
Photocatalytic oxidizing (PCO)
technology neutralizes stubborn
odors, fumes, and toxic chemicals.
**UV-C light kills airborne bacteria,
viruses, and mold.** Removes up
to 99.9% of allergens down to 0.3
microns. Helps neutralize ~~NOx~~ and
carbon monoxide and alerts you
when filter and UV lamp need
replacement. Used For Hospitals,
Hotels, offices, Schools Factories



AIR FILTRATION WITH INTEGRATED UV- C



Airborne Particles Removal

REMOVES

99.9%

OF ALL PARTICLES
LIKE POLLEN, DUST
AND PET DANDER



VOC And Chemical Odors And Vapors

REMOVES AND
DESTROYS
APPROXIMATELY

99.7

OF HOUSEHOLD ODORS
AND CHEMICAL VAPORS
IN A 24-HOUR PERIOD.

IDEAL FOR ALL PLACES OF GATHERING

HOSPITALS / LABS



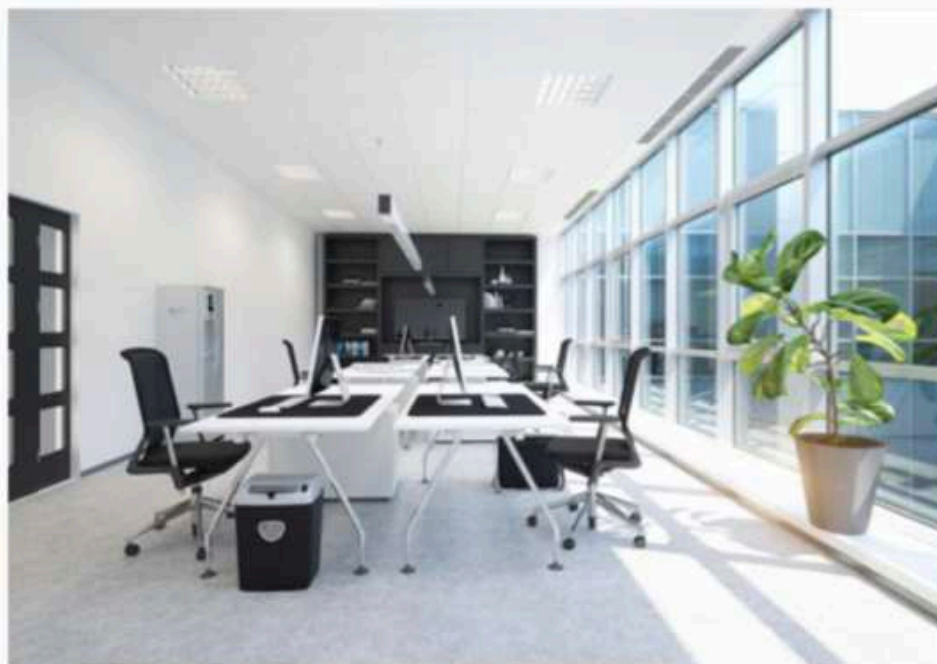
Leading hospitals and Laboratory settings are combatting contaminated air with a proven, patented UV-C air purification system. Decrease the possibility of cross contamination in your labs.

EDUCATION



Create a safe environment for faculty and students in classrooms settings.

COMMERCIAL



An outbreak of any kind is never conducive to productivity in the workplace. A sanitized work environment means employees feel safer at the office.

HOSPITALITY INDUSTRY



Crowded gathering places filled with strangers represent the largest opportunity for the spread of a virus or bacteria. Give patrons peace of mind by safeguarding these environments with an air sanitizing solution.

Applications



Hospitals



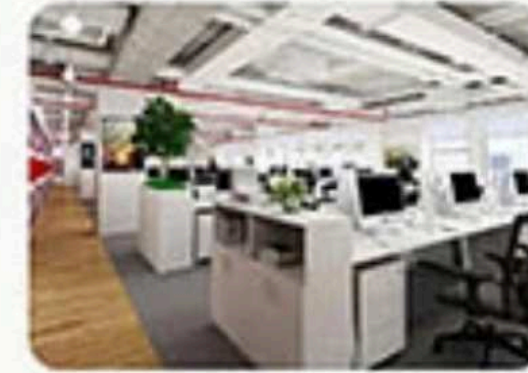
Schools



Communities



Factories



Enterprises
and institutions



Construction
sites



Supermarkets



Shopping
malls



Stations



Airports



Banks



Hotels



KTV



Exhibitions

