

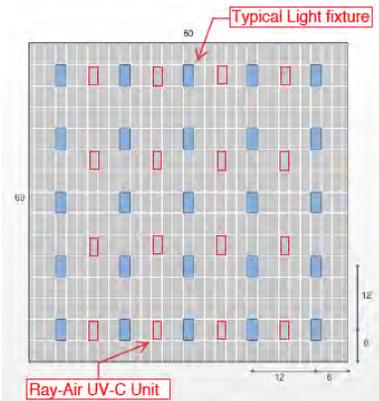


From domestic and foreign parts

RAY-AIR

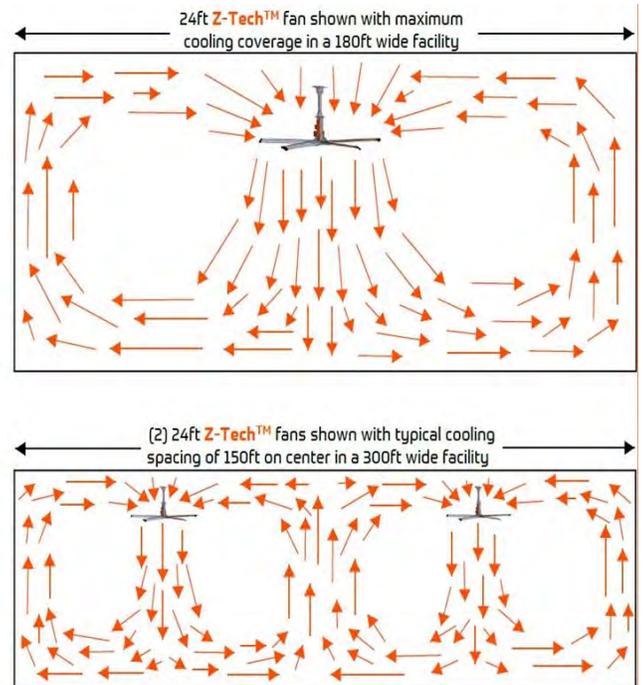
Ray-Air LIT & Ray-Air UV-C

GFY: Ray-Air / Ray-Air LIT / Ray-Air UV-C Sanitizer (Global Commercial, Residential & Industrial solutions)
There is no application where these products cannot adapt. Drop ceiling or decorative floating suspended ceilings and the **Ray-Air** family's ability to integrate invisibly or beautifully within a space makes **Ray-Air** your perfect choice!



Ray-Air Layout Shown:

- 12ft x 16ft grid pattern.
- 192 sq ft per unit.
- Nominal 6 air turnovers.
- Optimal solution for ceiling heights from 8ft to 12ft.
- Ceiling heights 12ft to 15ft:
 - Suspend **Ray-Air** at or below 12ft.
 - Order **Ray-Air** with optional higher CFM fans.
- Ceiling heights over 15ft:
 - Combine **Ray-Air** with **GFY's** industry leading **Z-Tech** fan to create the perfect all-purpose system!



FACT: Turning the air over in any space more often will create a healthier space, save money and help all companies meet their green initiatives! Click [HERE](#) to see the NICOR study and report.



EXECUTIVE SUMMARY:
 During this pilot, HVLS fans were run for destratification purposes during the heating season and created a gas **savings of 21.4%** compared to a baseline time period without destratification fan operation when normalized to heating degree days (HDDs).

THE EXPERTS CONCLUDE:
 HVLS fans in a typical uncontrolled environment with poor insulation will average 20%-30% energy savings! **GFY's** patented **Ray-Air** will meet or exceed the published factual energy savings working non-disruptively (low pressure large scale air movement) providing two attractive ROI's:

Return on Investment & Return on Illness



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Ray-Air / Ray-Air LIT / Ray-Air UV-C LOVE MODERN ACOUSTICAL CEILING!!





What about the cost of a **Ray-Air UV-C** system? Is there really an upfront cost? Companies and businesses globally are looking for a way to bring back their most important asset: Personnel. What is the **cost of your building having ZERO OCCUPANCY?** What's the cost on the back end of **doing nothing, or the wrong thing?** Only **Ray-Air UV-C** is **patented, UL certified and UL validated safe.** It is the answer for the air sterilization of all your indoor spaces.

2020 PANDEMIC AND BEYOND ARE YOU PREPARED?:

Just what will be the role of workers compensation in your state?

<https://www.ncsl.org/research/labor-and-employment/covid-19-workers-compensation>

EMPLOYERS FACE INCREASE IN COVID-19 WRONGFUL DEATH LAWSUITS:

<https://www.insurancejournal.com>

As COVID-19 cases and deaths continue to rise, so too does the number of lawsuits filed against employers. Recently, an increasing number of families of employees who died from COVID-19 have asserted wrongful death actions against employers for failing to keep their family members safe while at work. What can employers learn from these lawsuits to not only keep their workers safe but avoid being on the receiving end of such a claim?

<https://www.fisherphillips.com/covid-19-litigation>

<https://mlb.nbcsports.com/2020/12/05/mlb-sues-insurance-providers-cites-billions-in-virus-losses/>

Ray-Air UV-C has ZERO short-term or long-term negative side-effects – ZERO. **Ray-Air UV-C** was UL validated that it does not leak dangerous UV radiation into your space.

ONLY RAY-AIR UV-C IS CERTIFIED SAFE TO USE WHILE YOUR SPACE IS OCCUPIED!

Other UV and/or airborne solutions might work but there is little evidence of the short-term exposure effects and zero long-term data. You cannot extrapolate or estimate the damage any UV radiation does to human tissue. Ionization and "safe" UV 207-222nm wavelengths could have drastic long-term exposure side-effects currently unknown. What will happen after thousands, tens of thousands, even hundreds of thousands of hours of exposure? **NO ONE KNOWS.**

Air filters help but cannot do it alone and require constant maintenance and costly replacement to be effective.

When used properly, air cleaners and HVAC filters can reduce airborne contaminants including viruses in a building or small space. By itself, **air cleaning with filtration is not enough to protect people** from exposure to the virus that causes COVID-19.

IONIZED AIR HAS SHOWN SOME PROMISE. ARE THERE KNOWN SIDE-EFFECTS OF IONIZED AIR?

1. Small particles charged by ionizers, rather than being collected, are sometimes left suspended in the air, which can exacerbate asthma symptoms.
2. Ionization may generate ozone as a byproduct, which can worsen asthma symptoms and other respiratory problems.

Why you might want to rethink your air purifier!

<https://www.fastcompany.com/90617745/why-you-might-want-to-rethink-your-air-purifier>

Health Effects of Ionizers | LIVESTRONG.COM

<https://healthfully.com/health-effects-of-ionizers>

Ionizing radiation can also be generated artificially by X-ray tubes, particle accelerators, and any of the various methods that produce radioisotopes artificially. Ionizing radiation is not detectable by human senses, so radiation detection instruments such as Geiger counters must be used to indicate its presence and measure it.

https://en.wikipedia.org/wiki/Ionizing_radiation



UV LIGHTS AND LAMPS: ULTRAVIOLET-C RADIATION DISINFECTION:

<https://www.fda.gov/uv-lights-and-lamps-ultraviolet-c-radiation-disinfection-and-coronavirus>

Lamps may emit very specific UV-C wavelengths (like 254 nm or 222 nm), or they may emit a broad range of UV wavelengths. Some lamps also emit visible and infrared radiation.

LONG-TERM EFFECTS OF 222nm ULTRAVIOLET RADIATION ("SAFE" FAR UV-C):

<https://pubmed.ncbi.nlm.nih.gov>

Germicidal lamps that emit primarily 254 nm ultraviolet radiation (UV) are routinely utilized for surface sterilization but cannot be used for human skin because they cause genotoxicity. As an alternative, 222-nm Far UV-C has been reported to exert sterilizing ability comparable to that of 254-nm UVC without producing cyclobutane pyrimidine dimers (CPDs), the major DNA lesions caused by UV. However, there has been **no clear evidence** for safety in chronic exposure to skin, particularly with respect to carcinogenesis. **NO ONE KNOWS!**

"WE ALREADY INSTALLED UV LIGHTS IN OUR HVAC SYSTEM. WE DO NOT NEED **RAY-AIR UV-C**."

Adding UV lights to your HVAC system may be helpful in the war against Covid-19 and all airborne pathogens but it is far from a "magic bullet" and has **never been tested for efficacy sterilizing viruses**. UV in HVAC does great things for the HVAC system and duct work, but it has several challenges when trying to clean the air inside your spaces:

1. The pass rate of the air over the UV emitter is very, very fast.
 - a. **UV light does not sterilize viruses and bacteria immediately.** The intensity of the UV light and the time the viruses and bacteria are exposed are critical data in this equation.
2. The volume of air in the UV zone is quite large.
 - a. **Distance from the UV emitters** hampers sterilization efforts. Distance reduces the intensity of the UV light exponentially. Greater distance means less intense UV light which means longer exposure is required to sterilize bacteria and viruses.
3. Your HVAC system may not run all the time.
 - a. **Many HVAC systems do not run every minute** your space is occupied.
 - b. Even if they do run the airflow in each space is changing throughout the day.
 - c. If the room is not receiving airflow from the HVAC system the air in the room is not being cleaned.
 - d. HVAC cannot completely exhaust all the air in the room and replace it with clean air often enough to make a substantial impact on the life of viruses and bacteria in the room.

Ray-Air UV-C is a critical component to exponentially improve your HVAC's UV sanitation efforts! **Ray-Air UV-C** overcomes all the challenges your HVAC faces. HVAC cannot do this alone!

Ray-Air UV-C:

1. **Works safely in the room** while your space is occupied! UL certified for UV-C light exposure.
2. Exposes all the air in every room to UV-C LED technology from world leader Seoul Viosys **several times every hour** and was proven by efficacy testing completed at MICROCHEM in 11/2020 to sterilize a 10x10x8ft test chamber over 91% clean of MS2 virus (Covid family) in only 30 minutes and well over **99% sterilized in 90 minutes!!**
3. Provides active, relentless virus and bacteria sterilization that **seeks out airborne pathogens and attacks them** the second they enter the room!

HVAC UV & Ray-Air UV-C are the ultimate team!! Your HVAC is a critical component for healthy air due to its ability to bring fresh, outside air into your spaces and exposing that air to UV light may help reduce airborne pathogens. Once that air is inside the room **Ray-Air UV-C** takes over and creates a far healthier space by constantly searching out airborne pathogens and sterilizing them including pathogens that survived your HVAC-UV.

<https://www.pickhvac.com/faq/hvac-uv-lights/>



<https://www.trane.com/>

The transmission of Covid-19 may occur in a variety of ways and circumstances, many of the aspects of which are currently not known. HVAC systems, products, services and other offerings have not been tested for their effectiveness in reducing the spread of Covid-19, including through the air in closed environments.

UV has not even been tested in HVAC. Ray-Air UV-C has been tested definitively by two widely recognized and accepted US based firms and passed with dramatic results both times!!

WHAT ABOUT UV ROBOTS? THEY WORK. BUT THEY HAVE EXTREME LIMITATIONS RAY-AIR UV-C DOES NOT.

- They are **very expensive** to purchase, operate and maintain.
- They cost a **great deal of work-hours to operate** day after day after day after day after day.
- They **can't help** your space when your people are the most vulnerable, **while the space is occupied!!**
- Just where are you going to safely store your UV Robots when you're not using them so they do not get damaged.
- At some point someone is going to walk in the room while the unit is operating. **They are not safe.**
- **They, and their power cord are a trip hazard.**
- **Where are you going to store them when not in use?**
- A year from now when your **\$100,000+ robot requires tens of thousands of dollars in maintenance** cost to replace the UV emitters you're not going to do it. You'll try selling it on eBay and you'll end up paying someone \$200 to come take it off your hands.

"SAFE" FAR UV-C LIGHT (207-222nm WAVELENGTHS). NO ONE KNOWS THE LONG-TERM EFFECTS OF EXPOSURE:

Will "safe" Far UV-C be the next Zantac? We all hope not. What is critical is **NO ONE KNOWS**. Zantac was thought safe until we got real, non-extrapolated data on the long-term effects of exposure. Zantac side-effects include:

- Anemia and other concerns about blood cells
- Liver function and possible liver damage
- Vertigo
- Cardiovascular concerns including a heart rate that is too slow, too fast, or irregular
- Meningitis and other brain-related complications
- Dystonia
- **CANCER**

<https://zaneslaw.com/zantac-cancer-lawsuit>

Will all your employees get the Coronavirus inoculation? Not everyone will get this new vaccine. People have very valid concerns about it and **no vaccine is 100% effective**. Consider the common annual flu shot:

Scientists had a working flu vaccine by the 1940s, after the influenza virus was first discovered in the early 1930s. Soldiers fighting in World War II were the first patients to receive the flu vaccine when it was approved for military use in 1945 and civilian use was approved the following year. 75 years later and **maybe 45% of the global population gets vaccinated** for influenza.

<https://fortune.com/2018/01/19/flu-shot-history>

Ray-Air UV-C sterilized over 99% of MS2 (Covid-19 & Influenza family of viruses) in only 90 minutes. This is active, relentless sterilization you cannot get from sanitizing your space or installing UV-C technology in your HVAC system.

Ray-Air UV-C works in the room while occupied immediately attacking airborne pathogens introduced into your space. MICROCHEM completed efficacy testing of **Ray-Air UV-C** powered by LED's from world leader Seoul Viosys in 11/2020.

Ray-Air UV-C was also tested 2 years ago by Biological Consulting Services of North Florida. Originally called "Recirculite" this predecessor to **Ray-Air UV-C** performed just as well with non-LED technology powering the virus sterilization efforts of the unit. LED advances in lifespan made **Ray-Air UV-C** the viable product it is. Worthy of the name, "**Go Fan Yourself**".



Scan me

Click the document to see the full report - 07/2018

Click the document to see the full report - 11/2020



July 25, 2018
Bill Carson
Go Fan Yourself
1032 National Parkway
Schaumburg, IL 60173
920-723-0531
bill@gofanyourself.com
Client ID: Recirculte With UV

BCS ID: 1806202, 1806203

Project Name: Recirculte with UV Efficacy Testing

Dear Bill Carson,

We have completed the disinfection efficacy study on the submitted units/materials as outlined in the report notes. The contaminant species, study conditions, and parameters utilized were based on client's request and adaptation of the guidance documents and protocols listed below:

Client requested protocol: BCS SOP-D1 (ISO17025 accredited)

Following, you will find our report of the study conducted on the referenced samples. Should you have any questions, please do not hesitate to contact me.

Sincerely,

George Lukatik, Ph.D.
Laboratory Director

Page 1 of 31
Client: Go Fan Yourself
Final Report BCS ID: 1806202, 1806203 Revision # 0: 07/25/2018

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FL DOH #E02924, ISO/IEC 17025:2005 L2422 (ANAB), PA DEP# 6803950, EPA# FL01147
THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF BCS LABORATORIES



STUDY REPORT

Study Title

Antibacterial Activity and Efficacy of Go Fan Yourself's Test Device

Test Method

Custom Aerosol Study

Study Identification Number

NG16621

Study Sponsor

Darrin Niemiec
Go Fan Yourself
darrin@gofanyourself.com

Test Facility

Microchem Laboratory
1304 W. Industrial Blvd
Round Rock, TX 78681
(512) 310-8378
Report Author: Samuel Hanley, B.S.

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MICROCHEM test chamber 11/2020





Ray-Air, Ray-Air LIT & Ray-Air UV-C UL Certified & DLC Listed

WLC Enterprises, Inc. dba Go Fan Yourself-GSAv2-6000698789.pdf
 Notice of Authorization-2019-10-17-4789207870 .pdf
 E506947-20200529-CertificateofCompliance.pdf
 E506947-20200000-Description.pdf
 E506947-20190000-Description.pdf
 ATL AMF E506947 100528780.pdf
 4789445722 NOA 2020-05-29.pdf
 4788937534 NOC 2019-07-10.pdf
 13474469-13474469.01.pdf

Contact **Go Fan Yourself** if you would like copies of any of our UL and DLC certifications for **Ray-Air, Ray-Air LIT & Ray-Air UV-C**

Click graph for the full ozone test & report from UL

RESULTS - PART B
PEAK OZONE LOCATION DETERMINATION

Fan Speed Ozone/High Voltage Output Level	Measured Ozone, ppm					
	ON			OFF		
	Max	Middle	Min	Max	Middle	Min
Measurement Location 1	0.0018			0.0022		
Measurement Location 2	0.0022			0.0028		
Measurement Location 3	0.0012			0.0020		
Measurement Location 4	0.0019			0.0022		
Measurement Location 5	0.0013			0.0022		
Measurement Location 6	0.0018			0.0018		
Measurement Location 7	0.0012			0.0013		
Measurement Location 8	0.0009			0.0016		
Measurement Location 9	0.0014			0.0016		
Measurement Location 10	0.0017			0.0025		



UL Project Number
4789954833
PO0541031
Ozone test per UL 867 Section 40

Click document for the
Photobiological Safety Test Report

UL, LLC
1025 W Lambert Rd Suite B
Brea, CA 92621

Photobiological Safety Test Report

Relevant Standard
IEC 62471

Catalog Number
GFY-UVC

Order Number
13474469

Test Number
13474469.01

Test Date
2020-09-04

Prepared By
Khang Nguyen
Khang Nguyen, Technician

Approved By
Eric Gaudreau
Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.

Test Number 13474469.01 - Page 1 of 3

Click document for the
Radiation Safety FAQ from UL

**Radiation Safety
FAQ**

In today's world, products spanning consumer technology, the medical industry, food, laboratory equipment and beyond can employ a laser or LED. UL's optical radiation services provide manufacturers with the testing and evaluation data to meet their specific needs, ranging from simple optical output measurement results to full IEC CB test reports with CB certificates.

What are the LED radiation safety requirements?
 LED radiation safety requirements are generally contained in the IEC 60825-1 and IEC 62471 series of standards. These standards consider the photobiological interaction of light on long-term effects of radiation on the skin and eye. These standards contain requirements for classifying the LED radiation, labeling, user manual statements, etc.

How is a potential LED radiation hazard from a product conveyed?
 When evaluated to the LED radiation safety standards, the LED radiation is assigned a Risk Group classification. There are four possible Risk Groups: Risk Group 1 (lowest), Risk Group 2, Risk Group 3, and Risk Group 4 (highest). Risk Group 1 is the most hazardous. The higher the Risk Group, the more safeguards you should expect to see on the product.

Is the radiation emitted by lamps also evaluated for photobiological effects?
 Yes, lamps are also included in the IEC 60825-1 and IEC 62471 series of standards. They are evaluated in a similar manner as LEDs.

How are LED-based image projectors checked for radiation safety?
 IEC 62471-3 - "Photobiological safety lamps and lamp systems - Part 3: Image projectors" addresses radiation safety specifically from projectors incorporating LEDs and lamps, as well as laser-scanned projectors that fulfill the requirements specified in IEC 60825-1:2015 Ed.3.

How is the Risk Group of LED radiation determined?
 The Risk Group of LED radiation is determined by a series of radiance and irradiance measurements on the radiation. Once these radiance and irradiance values are measured, they are used in summation equations for comparison to various exposure limits defined in the standards. For example, these equations for hazards such as ultraviolet (UV) blue light, infrared, etc. Also, the standards consider laser wavelengths to be more hazardous than others, so their averaging factors applied to certain wavelengths in some cases. Each Risk Group (Example 1, 2, and 3) has limits for each of these various hazards. When it is determined that all of the measurement results fall below all exposure limits in a Risk Group the radiation is then classified as belonging to that particular Risk Group.



More Air Turnovers Per Minute or Hour increases oxygen levels for better brain function and health. The **Ray-Air** family will drastically reduce indoor space CO2 & VOC's (volatile organic compounds) levels.

<https://www.epa.gov/indoor-air-quality-iaq/what-are-volatile-organic-compounds-vocs>

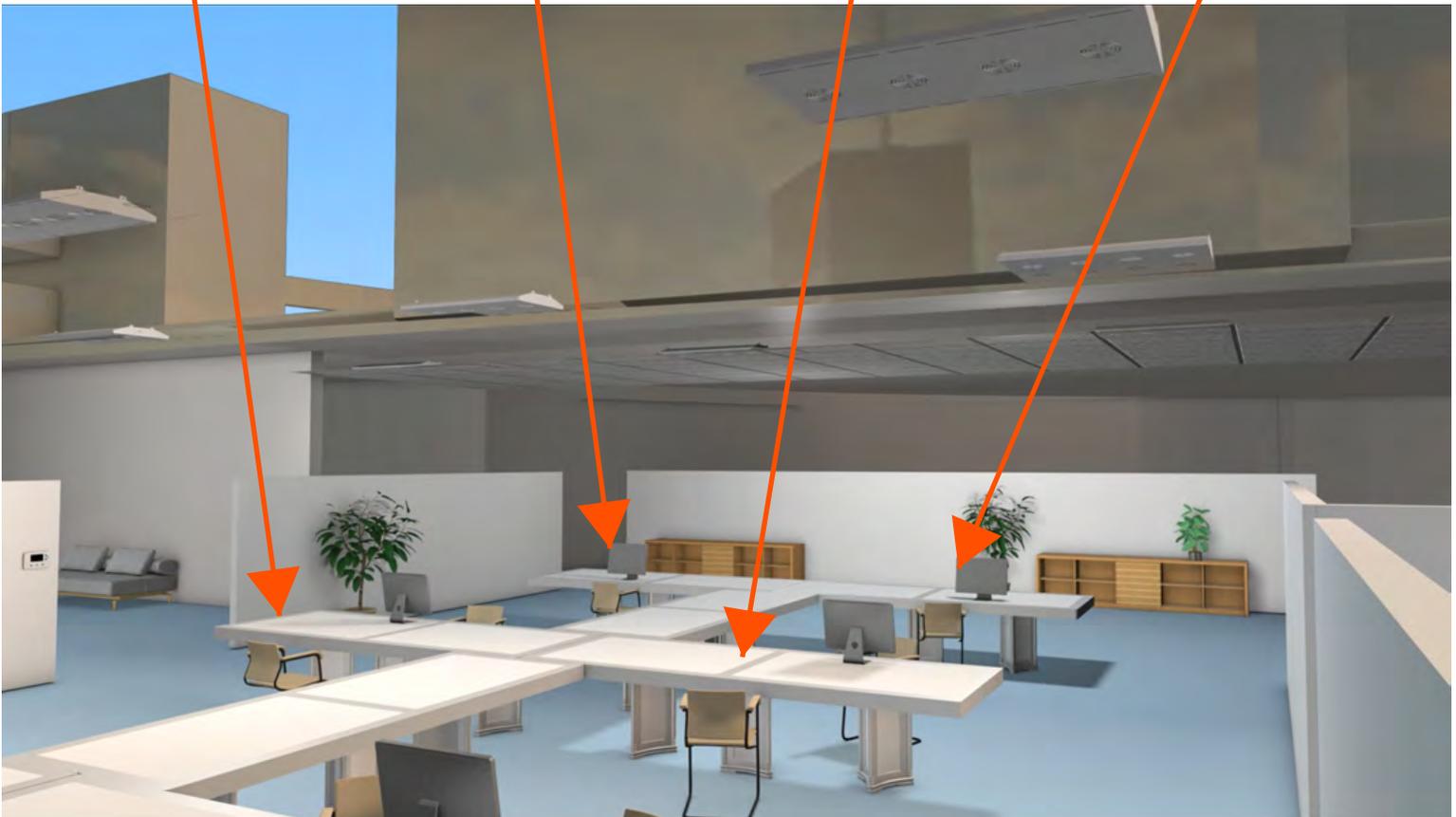
Imagine your space. We have Covid-19 vaccines. The vaccine, just like the flu shot, is projected to have a life-span the exact length of time it will last is constantly being studied. Some people will not get it. Some will catch Covid-19 after getting the shot, especially with the Delta variant. Think about your space and the people inside it:

Covid-19 Shot 94%

No Shot

Asymptomatic

Covid-19 Shot 95%



Only **Ray-Air UV-C** will attack any pathogen introduced into your space immediately and continue its assault until the pathogen is sterilized. This is active relentless protection brought to you safely by **Go Fan Yourself!** Click [HERE](#) for a video on the Ray-Air family of products. Click [HERE](#) to see the video on our YouTube channel.

Vaccines may not mean the end of Covid-19 - See what Dr. Fauci said on 09/25/2020:

<https://www.eatthis.com/dr-fauci-masks-after-vaccine/>



Why Choose **Ray-Air, Ray-Air LIT & Ray Air UV-C?**

1. Proven LED UV-C Sterilization Technology from world leader Seoul Viosys.
 - a. Over 99% effective for MS2 (Covid-19) sterilization in only 90 minutes!
2. Long Product Life
3. Zero Work-Hours Required to Operate
4. Zero Operational Maintenance
 - a. No filters to change constantly
 - i. Every time you change filters you risk re-infection of your space
5. UL Listed
6. UL Certified Safe for Use While Your Space is Occupied
7. UL Performance Verified and Documented
8. Efficacy Testing Completed on Gen 1 (Recirculate) in 11/2018
9. Efficacy Testing Completed on Gen 2 (**Ray-Air UV-C**) in 11/2020
10. **No Unknowns**
11. **Zero Risk**
12. **No Threat** of Side-Effects From Long-Term Exposure to Dangerous UV Radiation
13. Supports and Enhances All Sanitation Efforts You are Currently Doing
14. Supports and Enhances All Sanitation Efforts in the Future
15. Non-Disruptive Air Movement
 - a. Low pressure
 - b. Large scale
16. Deploys Invisibly or Beautifully in All Your Spaces
17. Saves Energy
 - a. Meet your green initiatives with a **Ray-Air** system
18. Very Quiet
19. Easily Adaptable for Control with Existing BMS
20. Fight Sick Building Syndrome 24/7/365
21. Reduce Humidity and Condensation
22. Inhibit Mold and Mildew Growth
23. Increase Employee Retention
24. Improve Visitor and Customer Experience
25. Buyer Beware:
 - a. "Patent pending" devices - ask to see the patent submission.
 - b. "Tested" was the device tested by a reputable company or the UV emitter by the mfg? Do not settle for products never tested as constructed.
 - c. UL certified - do not settle for anything less than UL.
 - d. Do not allow UV-C radiation or ionized particles with completely unknown long-term exposure side-effects to flood any part of your indoor space.

Bring all the vast benefits of **LIVE MOTION BREATHING SCIENCE** to all your spaces with **Go Fan Yourself!** **GFY** is all about airflow and creating the most breathable space so you can be the most comfortable and the healthiest you can be. **Live Motion Breathing Science** is just that. Creating healthier spaces so every person can feel their best every day. No more space heaters and personal fans! No more hot and cold spots! Optional air sterilization while you are in the room and UL validated safe! Put the benefits of **Live Motion Breathing Science** to work and you will see and feel the difference in large spaces, office spaces, even your home!