

The Power of UV Light Disinfection

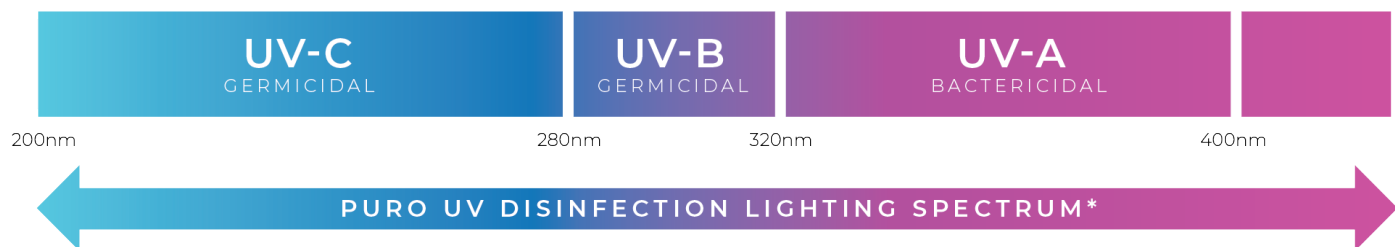


How does UV Light Disinfection work?

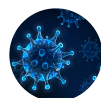
Ultraviolet C and B kills (inactivates) microorganisms, germs, pathogens and viruses by destroying nucleic acids and disrupting their DNA.

Full-spectrum UV light not only kills pathogens on surfaces but in the air. Also, pathogens can't develop resistance to UV light.

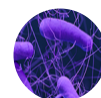
PURO Lighting, with patented Violet Defense® technology, uses a pulsed xenon light engine that sends out a high-intensity beam of UV along with visible light when it flashes. It's a full-spectrum UV, so it produces UV-C and UV-B, which are germicidal, and UV-A, which is bactericidal.



UV light kills the most challenging pathogens and “Super Bugs”:



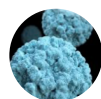
SARS-CoV-2



C. diff



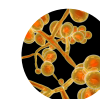
E. coli



Norovirus



MRSA

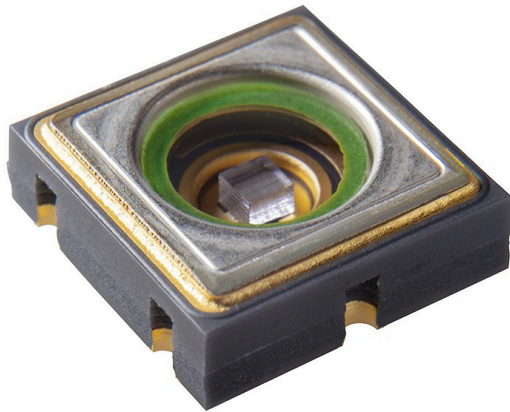


C. auris

Four Types of Artificial UVC Sources



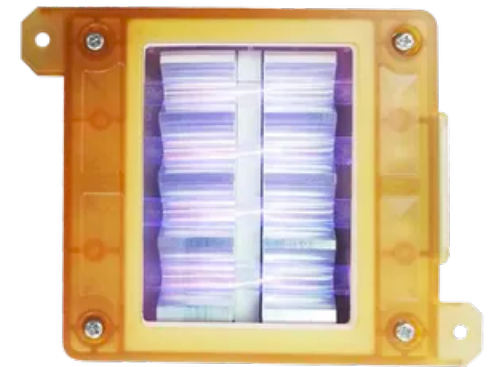
Low Pressure
Mercury-Vapor



UV LED



Pulsed-Xenon



Excimer





Powerful Results. Lab Proven.



Independent labs* have certified that powerful pulsed-Xenon UV light disinfection fixtures work.

SARS-CoV-2 Test Results:

- We've tested PURO Lighting against the live SARS-CoV-2 virus.
- These tests have proven to effectively eliminate 99.99% of the virus that causes COVID-19.
- Surfaces tested include glass, stainless steel, plastic and N95 respirator material.
- PURO Lighting's devices can achieve undetectable levels of SARS-CoV-2 on N95 masks after disinfection.
- PURO's actual devices were tested as is – so all variables such as lensing and reflectance are accounted for.

SURFACE MATERIAL	EXPOSURE TIME (in minutes)					
	1	3	5	10	15	30
 Glass	>90%	>99%	>99.9%	>99.99%	Undetectable	Undetectable
 Stainless Steel	>90%	>99%	>99.9%	>99.9%	Undetectable	Undetectable
 Plastic	<90%	>99%	>99.9%	Undetectable	Undetectable	Undetectable
 N95 Mask Material*	<90%	>90%	>90%	>99%	>99%	Undetectable

*N95 (3M 9210+) Powered by Violet Defense® technology

*Independently tested by an ISO 17025 Accredited Testing Laboratory

The Latest Advances in a 150-Year-Old Technology

LENSING TECHNOLOGY

The lens doesn't foul over time, and it intensifies the delivery of full spectrum UV light.



MINIATURIZATION

The only known pulsed Xenon UV disinfection system that can be installed in commercial ceilings.



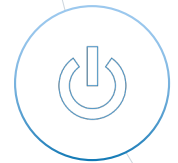
FLEXIBILITY

With both mounted/fixed and mobile units available.



DISINFECT ON DEMAND

Our fixtures can be scheduled to run autonomously, and disinfect an entire facility at once, as often as needed, no staff required.



AFFORDABILITY

By using the miniaturized technology, we can permanently install it in your space at a fraction of the cost of previously available technology.



3 Ways to Bring the Power of UV Light to Wherever People Gather

PURO™
UV Disinfection Lighting

- PURO Lighting now has a complete UV light disinfection program to help keep spaces disinfected up to 99.9% virus-free
- PURO UV Disinfection Lighting, powered by Violet Defense technology, using miniaturized pulsed-Xenon light engines for both surface and air disinfection
- PUROBOT UV, the autonomous, programmable and rechargeable robot for larger spaces and high-touch areas
- And introducing PURO Air, using mercury vapor technology for continuous air disinfection in HVAC and air-handling systems



PURO AIR Products

PURO™
UV Disinfection Lighting



Aurora – UV Air Fan

Professional High-Performance
UV-C Air Purifier w/TiOx Filter
Catalyzer



Whisper – UV Air Fan

Professional Compact UV-C
Air Purifier w/TiOx Filter
Catalyzer

PURO AIR Products

PURO™
UV Disinfection Lighting



Cloud – UV Air Direct

Upper Air UV Disinfection



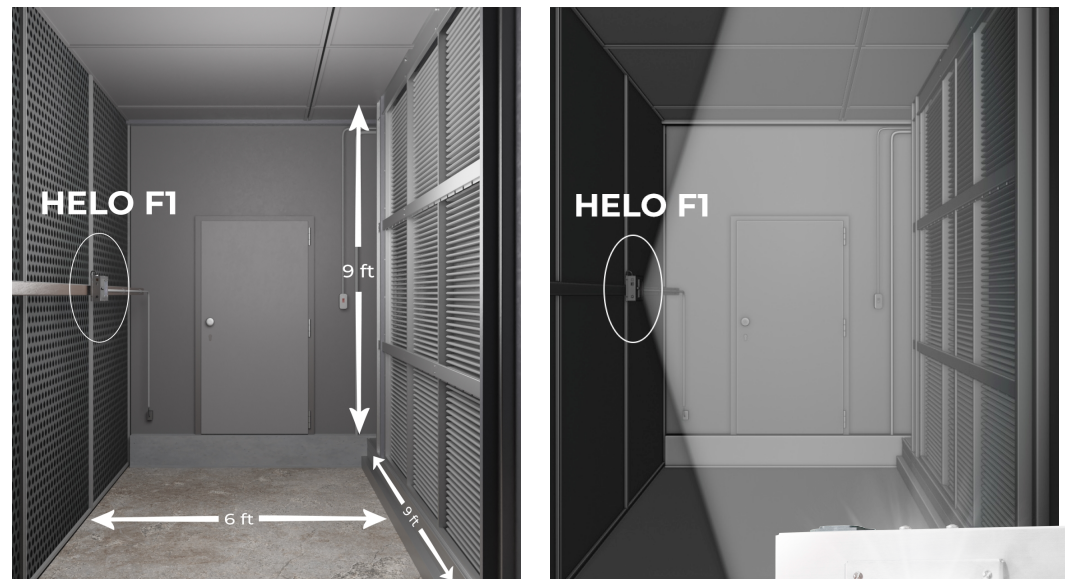
Defender – UV Air Duct

Disinfection System for HVAC

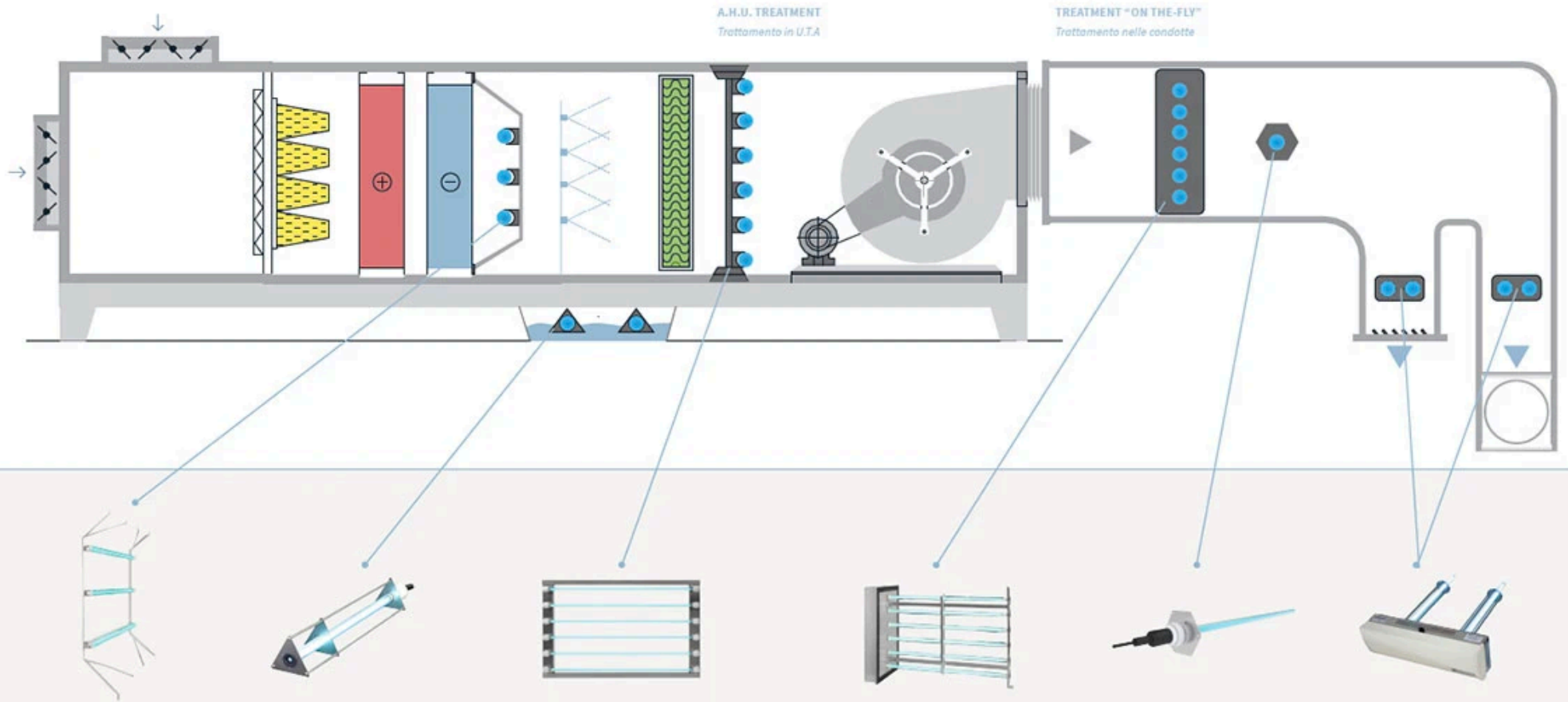
UV in Air Handling Units

- One of the safest solutions on the market with automatic sensor shut off
- One of the fastest disinfection systems to install
- Effective germ-killing* power in only four 30-minute cycles a day
- Long life pulsed xenon lamp requires less energy, saving money

*SARS-CoV-2, MRSA, *C. diff*, *E. coli*, Norovirus, *C. auris*



Examples of in-duct and coil disinfection solutions



The Promise of Today's UV Disinfection Light Technology

PURO[™]
UV Disinfection Lighting

To **protect** people against further spread of infections

To **prevent** known viruses from continuing to spread

To **prepare** us to successfully battle whatever viruses come our way in the future

PROTECT
AGAINST SPREADING VIRUSES TODAY

PREVENT
VIRUSES FROM SPREADING FURTHER

PREPARE
FOR FUTURE VIRUSES/PANDEMICS

PURO[™]
UV Disinfection Lighting

PUROLIGHTING.COM

Powered by Violet Defense® technology

Installation Photos



Installation Photos



Installation Photos





THANK YOU

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PURO[™]
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