



# SIEMENS

*Ingenuity for life*

## Dedicated Infection Control for Life Science Environments

A rapid and reliable solution for disinfecting  
PPE and other critical mobile equipment.

[usa.siemens.com/lifescience](https://usa.siemens.com/lifescience)

In the fight against infection, keeping all elements of personal protective equipment (PPE) and other mobile equipment disinfected is critically important to the safety and success of researchers and other employees. Available through Violet Defense™ and their commercial partners at PURO™ Lighting, pulsed Xenon full-spectrum UV lighting technology provides research labs, vivarium environments, and other critical facilities with a proven, easy-to-implement way to safely and efficiently harness the power of light to kill contaminants in the air and on surfaces. With a variety of products offered, we can provide you with mobile and installed solutions to meet your disinfection needs.

### Proven and effective protection made easy

Our dedicated infection control solution enables you to create a space designed to help disinfect personal protective and other critical equipment.

- Manufacturer testing has demonstrated effectiveness against certain viruses and bacteria\*
- Harnesses the germicidal power of light to kill bacteria and inactivate viruses in the air and on surfaces
- Designed to make disinfection easy, system will eliminate germs in a flash with pulsed Xenon full-spectrum UV light

### Supporting North America's Research Labs

As the need for testing, research, and space expands, we're harnessing our capabilities, expertise, and global network of partners to support research laboratories and other life science environments in the following ways:

- Supporting the rapid design and development of life science infrastructure
- Identifying sources of potential contamination and offering effective technologies to mitigate those risks
- Developing a holistic approach for Intelligent Labs of the future

**VIOLET DEFENSE™**  
TECHNOLOGY

**PURO™**  
UV Disinfection Lighting

Solution  
Partner

Smart  
Infrastructure

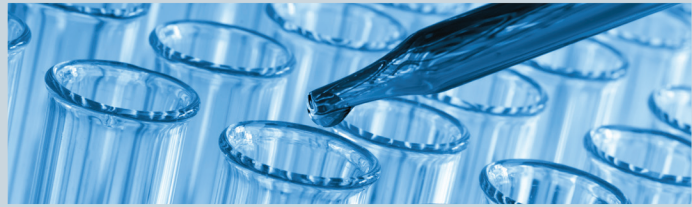
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\*Results available upon request.

## 8' x 8' Targeted Coverage Area



The dedicated infection control solution provides the equipment needed to create an 8' x 8' disinfection space where PPE and other mobile equipment is exposed to UV light from all angles.



### How it works

This infection control solution combines the germicidal power of ultraviolet light with an optimized 8' x 8' layout that maximizes UV exposure to eliminate harmful germs. PPE and other critical mobile equipment is placed within the designated 8' x 8' area where pulsed Xenon technology is used to deploy powerful bursts of UV-C, UV-B, UV-A, and violet-blue light capable of killing certain bacteria, fungi, mold, and inactivating viruses.

### What the solution contains:

- Eight UV units – each is designed to have two units installed on each of the four walls (one high, one low) of an 8' x 8' room (Siemens provided)
- Aluminum suspension wires and hardware for hanging masks or other PPE equipment (customer provided)
- For optimal results we recommend installation of either aluminum sheets or mirrors on the walls to maximize reflection and UV exposure (optional)

### About Violet Defense

Since its inception, Violet Defense has been on a journey to harness the germicidal power of ultraviolet light to help protect the world from germs. Its patented technology miniaturizes the deployment of UV light to integrate into almost any product or environment.

### About PURO Lighting

PURO Lighting, powered by Violet Defense technology, offers ground-breaking products that use the power of full-spectrum UV light to rapidly disinfect any enclosed area of viruses and pathogens.

### About Siemens Smart Infrastructure for Life Science Environments

Siemens Smart Infrastructure brings innovations in smart building technologies to create environments that care for research labs and other life science environments. Our Intelligent Lab infrastructure solutions further improve researcher and lab worker experiences; lab efficiency; and safety for all staff, assets, and research.



UV Micro unit

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This document contains a general description of available technical options only, and its effectiveness will be subject to field conditions with project parameters defined in a formal contract.

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