

Safezone 222® Family Specification Sheet

UVC Cleaning Systems Inc. Safezone 222® family of products contain patented Care 222® technologies that emits filtered Far UVC 222nm light. It's effective at reducing pathogens and is proven safe for people to be present during the disinfection process.

Patented: Partnered with Ushio America Inc.® we provide the world's most advanced UVC disinfection solutions that includes a patented (US1078018982) optical filter system that blocks harmful wavelengths above 230 nm.

Versatile: We offer three different product configurations suited for a variety of environments and applications. From in-ceiling, hanging pendulum or surface mount products we are extremely versatile in solving unique application requirements. Additionally all of the products support all global voltages.

Instant On/Off: Our lamps operate at full output power instantly, and the frequent on/off cycles have no affect on the lifetime of the lamp.

Easy to Use: Installation is as easy as any other traditional commercial lighting fixture. Once set up, our programming ensures your fixture is operating at maximum performance.

Safe: As a trusted partner with Ushio America®, we integrate a filter patent to keep humans safe from harmful UVC irradiation. Operating within the ACGIH and IEC international guidelines all if UVC Cleaning Systems products conform the these standards.

Purpose Built: UVC Cleaning Systems Inc.® offers sleek and intuitive designs that are built to help solve the problem of the spread of infection. By implementing our products, you can help protect your loved ones, and reduce the pathogen load in an environment.



Safezone 222® Family

Configurations: Recessed Can, Hanging Pendulum, Surface Mount

Electrical: 12V DC, 120V AC and 277V AC Options

Applications: Schools, Emergency Response Vehicles, Restaurants, Medical Office

Patent pending



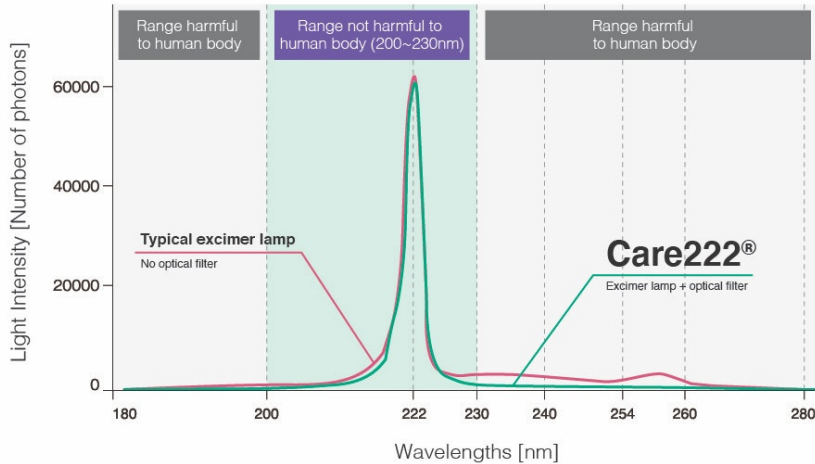
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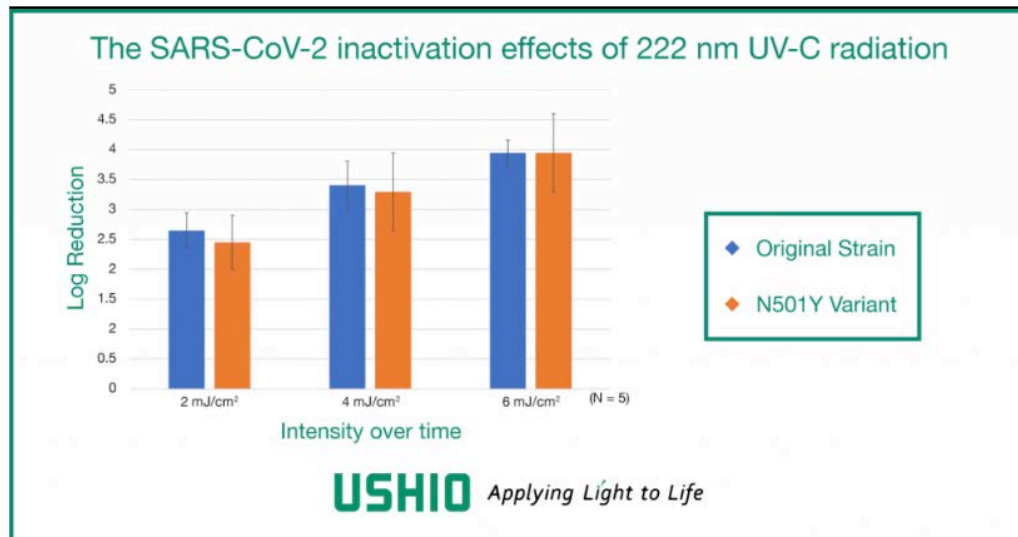
222 nm Wavelength of UV-C light is safe for people to be in the presence of, therefore eliminating the need for a room to be vacated in order to be decontaminated. With our 3 styles of light fixtures, you will be able to supply continuous decontamination for employees and/or customers.



Not only is 222nm wavelength of UV-C light effective against 99.999% of viruses and bacteria, it is also effective in deactivating SARS-CoV-2 (Covid-19).

Research Details and Results

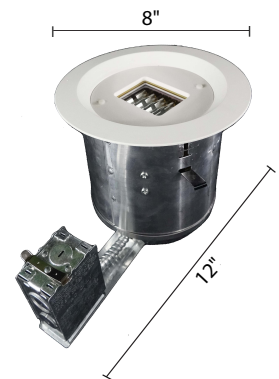
The researchers studied the inactivation effect of 222 nm UV-C on a clinically isolated strain of SARS-CoV-2 [N501Y mutation(+), E484K mutation(-)] (hereinafter, "the N501Y variant") and the original strain [N501Y mutation(-), E484K mutation(-)] (hereinafter, "the original strain"). Each SARS-CoV-2 strain, located on a plastic substrate in a dry environment, was irradiated with 222 nm UV-C five times at intensities of 2, 4, and 6 mJ/cm². The inactivation effect was evaluated by comparison with control samples that had not been irradiated with 222 nm UV-C. The results showed that the inactivation effect of 222 nm UV-C on the N501Y variant and the original strain was the same (no significant difference), as expected (Figure, Table).



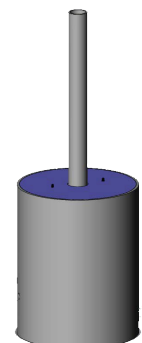
Safezone 222 Wall Unit



Safezone 222 Ceiling Mount Unit



Safezone 222 Pendulum Unit (3D Rendering)



Does not represent final design.

Regulatory Approvals
and Partnerships:



EPA Est
#91447-MI-001



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