

UVC Disinfecting Tower

Leveraging the power of light to protect the world from coronavirus.



Safe, fast and effective UVC disinfection for commercial spaces.

DESIGNED BY COMMERCIAL LIGHTING EXPERTS

Safeology™ UVC disinfecting solutions are designed by a leading manufacturer of commercial lighting and technology products. We've harnessed the expertise built through decades of experience in LED and lamp fixture technology to develop UVC light products created specifically for commercial applications.

PEACE OF MIND PROTECTION

Safeology products use UVC light to help you create clean, pathogen-free spaces in which your employees and customers will feel safe, comfortable and reassured. Because Safeology offers proven protection against coronaviruses and other disease-causing pathogens¹, they'll have peace of mind knowing their health and safety is your top priority.

EVIDENCE-BASED SCIENCE

Clinical research, as well as long-established medical disinfection practices, demonstrate that when UVC light penetrates an organic cell, it damages the cell's DNA and RNA, rendering it incapable of reproduction. In essence, the cell becomes microbiologically dead. SARS-CoV-2, the specific coronavirus that causes the COVID-19 disease, consists of single-strand of RNA, making it highly susceptible to UVC light.

STATISTICAL MODELING TO FIGHT COVID-19

Using a computational analysis of the SARS-CoV-2 genome, Safeology's team of experts has identified the UVC dosage required to deactivate 99.9% of the virus (a Log 3 reduction). Safeology has integrated this science into their UVC technology. Commercial properties can now use Safeology products to effectively sanitize their spaces.

THE BEST APPROACH TO DISINFECTION

In today's environment, traditional cleaning protocols are no longer enough. Even though they're beneficial, topical germicides typically clean less than 50% of surfaces, and may include harmful chemicals and unpleasant odors. In contrast, UVC effectively eliminates 99.9% of pathogens¹, with no adverse effects. Using both topical germicides and UVC technology can provide the optimal cleaning solution.

THE IDEAL SOLUTION FOR INDOOR ENVIRONMENTS AND SPACES

Owners and operators of commercial spaces such as offices, retail, healthcare, and senior living – essentially any indoor space where people work, eat, shop or play – share many of the same needs. Keep employees and customers safe. Ensure customer satisfaction. Enhance operations through technology. Clean spaces quickly and efficiently. Generate positive reputation. Designed with these criteria in mind, Safeology products offer:

- A proven cleaning and disinfection technology
- Easy product provisioning for IT staff
- Safe, easy operation for environmental services staff
- Remote monitoring and disinfection validation for management
- Scientific modeling to ensure correct dosage based on room size
- Multiple layers of safety redundancy
- Spray-free, chemical-free, odor-free disinfection
- Optimal customer experience and peace of mind reassurance



Unequaled UVC disinfecting technology.

PRODUCT DESCRIPTION

The Safeology Tower gives you, your employees, and your customers peace of mind by leveraging the science of light to create clean, pathogen-free spaces. With Safeology, you can safely, quickly and efficiently eliminate up to 99.9% of surface and airborne pathogens¹, helping you create a clean, worry-free environment.

SOFTWARE SOLUTION

Only Safeology offers a proprietary Commercial Software Suite (CSS), designed specifically for commercial applications. Our CSS offers a cloud-based web solution for back-end system management, including real-time tracking and control, disinfection validation, remote software updates, AI safety monitoring, and lamp efficacy and maintenance data. Our custom mobile app provides a user-friendly, multilingual interface for easy provisioning, tower control, and cycle completion notification. In addition, our computer-aided modeling can calculate the required UVC dosage for any space.

SPECIFICATION STATEMENT

Solution shall consist of a mobile tower fixture that uses 253.7 nm UVC light to inactivate pathogens such as viruses, bacteria and spores. Dosage must be based upon genome modeling and include computer-aided computation for time requirements for specified room sizes¹. Fixture must be effective in a Log 3 (99.9%) reduction of pathogens in direct line of site. Safe operation must be ensured through built-in PIR sensors with auto-shutoff, audio warnings, in-person authentication and artificial intelligence (AI) safety monitoring. Solution must use cloud-based web and mobile software application to ensure safe operation.

The most complete UVC disinfecting solution available.

FIXTURE

- Made in the USA
- 360° coverage for optimized emittance and reduced shadow effect
- Six high-output shatter-resistant amalgam 253.7 nm UVC lamp emitters
- Up to 12,000 hours lamp life at 85% UVC power rate
- 74" high to maximize disinfection coverage area
- 24" weighted 3-branch base for superior stabilization
- 3" hollow wheel multi-directional self-locking casters, with low center of gravity and wide twin-wheel base for extra stability and better mobility over thresholds
- Laser mapping calculates room size and required dosage, and determines best placement to ensure optimal room disinfection
- Status indicator light to signify modes of operation
- Light reflectors for increased light output effectiveness
- Stainless steel, cold roll steel and aluminum construction
- Stainless steel ergonomically positioned grab handles for easy movement
- Stainless steel and white anti-microbial powder coat finish
- 3 PIR sensors for auto-shutoff when movement is detected
- Wi-Fi wireless cloud-based control and monitoring
- Audio start warning

ELECTRICAL

- 120V AC, 60Hz, up to 6.6 amps
- Up to 800 watts power consumption
- Power cord
- On-off switch

TECHNOLOGY

- Wi-Fi control with direct provisioning
- Imbedded computer automation
- 7" touch tablet with integrated wireless charger

SOFTWARE

- Cloud-based back-end management
 - Real-time tracking
 - Room-based cleaning validation
 - Centralized monitoring and control
 - Remote software updates
 - Lamp efficacy and maintenance monitoring
 - Artificial Intelligence (AI) safety monitoring
- Mobile application operations
 - Multilingual user-friendly interface
 - Easy provisioning
 - Simple control
 - Cycle completion notification
- Computer-aided modeling
 - UVC dosage analysis for any space
 - Calculated number of units per property

SAFETY

- In-person software lock and key authentication
- UVC lamp startup audio warning
- Artificial Intelligence (AI) pre-initiation room scanning
- Top light indicator for operational modes
- Delay-start timer
- 3 PIR sensors for auto shutoff when movement is detected
- Automatic-off if Tower is tipped
- Shatter-resistant lamp protection
- No ozone
- Outside room warning stand

CERTIFICATIONS

- EPA Registered
- Conforms to UL Standard 153
- FCC compliant
- Patent pending

SUPPORT

- 3-year warranty
- Implementation training
- Maintenance and Software service plans
- Remote access customer service
- Field Service
- Technical support

¹ The term pathogens, as used in Safeology literature, refers to the broader category of disease-producing germs, including viruses, bacteria and spores. While UVC light has been proven effective in inactivating or eliminating various pathogens, the dosage of UVC exposure (UVC intensity over time) required to do so may vary by pathogen type. Pathogens, in general, require different levels of exposure for disinfection. Some can be inactivated relatively quickly, while others require longer exposure to UVC.