

Upper Room UVC Linear Recessed Fixture

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



Silent operation

Continuous disinfection in occupied rooms

Designed for safe operation above 8'

Large room volume coverage

Each fixture disinfects a 400 ft² / 3,600 ft³ space
(20' x 20' x 9')

Estimated equivalent of 6 Air Changes per Hour (ACH)

30-watt T6 UVC germicidal lamp

Optimized beam control to direct UVC to upper room area

Scientifically-based Log 3 reduction of pathogens

Safe operation while people are present

Aesthetic minimalistic design

Light weight construction for easy installation

Installs in ceiling; ideal for drop ceilings

Patent pending technology

Made in America with U.S. and global components

The safest, most effective upper room UVC disinfection to eradicate airborne SARS-CoV-2 from commercial spaces.

COMMERCIAL EXPERTISE.

Safeology™ UVC sanitizing and disinfecting products are designed by a global manufacturer of lighting and technology products with a quarter century of experience serving the commercial industry. Leveraging the expertise built through years working with LED and lamp fixture technology, we've created UVC light products designed and engineered specifically for commercial use.

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 GENOME MODELING.

Safeology has conducted a computational analysis of the SARS-CoV-2 genome to identify the specific UVC dosage required to achieve a Log 3 reduction and deactivate 99.9% of the virus. The overall effectiveness of airborne disinfection is based upon air's exposure to this dosage of UVC light. Current research shows that most viral species are easier to disinfect when suspended in the air, and irradiation of SARS-CoV-2 in aerosolized form may only require one-fifth the dosage typically needed when the virus is in liquid.

ADVANCED UPPER ROOM DISINFECTION.

Safeology's Upper Room UVC Linear Recessed Fixture uses optimized UVC beam control with bi-directional output to continuously clean air circulating through the disinfection zone. The fixture is capable of disinfecting up to 99.9% of airborne viruses.

OPTIMAL AIR EXCHANGE.

In general, CDC guidelines call for 6 to 12 Air Changes per Hour (ACH) to ensure clean, safe air. Safeology's Upper Room UVC Linear Recessed Fixture uses upper room UVC air disinfection technology to clean large air spaces, providing a high equivalent ACH in the lower occupied room space. The Fixture produces at a minimum an estimated equivalent of 6 ACH for a typical 400 ft² / 3,600 ft³ space (20' x 20' x 9'). The Fixture is designed for typical-use spaces with a minimum 8' high ceiling. Larger volume areas may utilize multiple Fixtures to disinfect greater volume spaces.

SEAMLESS INTEGRATION.

The Safeology Upper Room UVC Linear Recessed Fixture is simple to install, making it an ideal and seamless addition for drop-ceiling applications.

AFFORDABLE DISINFECTION.

The low purchase price and nominal operating costs of the Upper Room UVC Linear Recessed Fixture make it one of the most cost-effective ways to reduce the airborne spread of viruses.

DECADES OF EFFECTIVE USE.

For more than 80 years UVC Upper Room Fixtures have proven to be an effective means of disinfection against viruses such as measles and tuberculosis. Upper room UVC works by taking advantage of the natural rise and fall of air currents to lift viruses into the UVC zone where they are killed in seconds. Upper room UVC fixtures are commonly used in hospitals around the world. Recent scientific studies are showing upper room UVC to be equally effective against SARS-CoV-2.

Unsurpassed Upper Room UVC disinfection technology.

PRODUCT DESCRIPTION

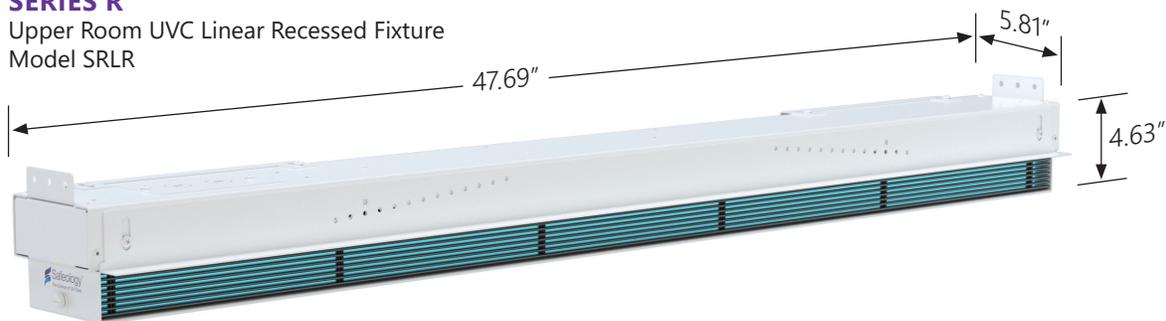
The Safeology Upper Room UVC Linear Recessed Fixture offers peace of mind by leveraging the science of light to create clean, pathogen-free spaces. With Safeology, you can safely, quickly and efficiently eliminate up to 99.9% of airborne pathogens¹, helping you create a clean, worry-free environment.

SPECIFICATION STATEMENT

Solution shall consist of a UVC Upper Room Fixture that uses 253.7 nm UVC light to inactivate pathogens such as SARS-CoV-2 and other viruses, bacteria and spores. Fixture shall include multiple safety features including PIR sensors, auto-off switch for lamp replacement, and optimized beam control to direct UVC distribution to upper room UVC zone. UVC dosage must be based on 6 ACH (Air Changes per Hour) and include SARS-CoV-2 genome modeling with computer-aided computation for specific rooms sizes. Fixture must effectively deliver a Log 3 (99.9%) reduction of SARS-CoV-2.

SERIES R

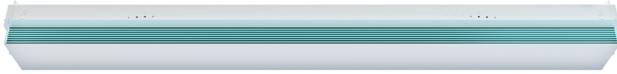
Upper Room UVC Linear Recessed Fixture
Model SRLR



The most complete UVC upper room disinfection solution available.

SERIES R

Upper Room UVC Linear Recessed Fixture | Model SRLR



FIXTURE

- Dimensions: 47.69" w x 5.81" d x 4.63" h
- Weight: 15 lbs.
- Silent operation
- Easy lamp replacement
- Made in America with U.S. and global components

AIRFLOW

- Single unit delivers continual disinfection for an average 400 ft² / 3,600 ft³ space (20' x 20' x 9')
- Estimated equivalent of 6 Air Changes per Hour (ACH)
- UVC dosage calculated upon average air flow in a typical room with HVAC

UVC LAMPING

- 30-watt ultraviolet lamp
- Amalgam 253.7 nm UVC lamp
- Up to 12,000 hours lamp life at 85% UVC intensity

ELECTRICAL

- 120-277V AC, 50/60Hz, .25/.10 amps
- 30 watts
- Hard-wired

SAFETY

- Designed for safe operation in rooms with 8' or higher ceilings
- PIR auto-off sensors to protect against accidental UVC exposure
- Auto-off switch for safe lamp replacement
- No ozone emission
- Complies with IEC 62471 Photobiological Safety of Lamps and Lamp Systems

CERTIFICATIONS

- EPA-registered manufacturing facility
- Conforms to UL Standards
- Patent pending

SUPPORT

- 3-year warranty
- 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.