

Ultravation®

BIOGARDUV™

FS-Series Upper Room Air Disinfection System

Commercial and Institutional Applications

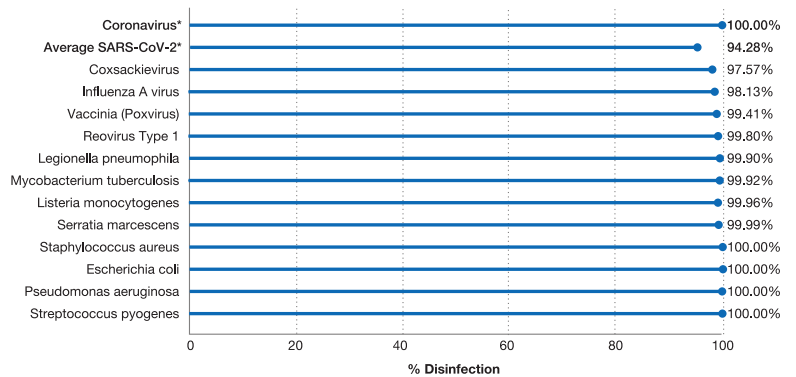


- Wall mount and bi-directional ceiling mount models
- 22- and 33-inch UV lamp models
- Silent convection operation
- 9,000 hour UV lamp life
- Energy efficient
- Galvanized steel construction
- Rugged powder-coat finish

Safe and effective ultraviolet air disinfection for occupied spaces

Ultravation® BioGardUV™ germicidal ultraviolet air disinfection destroys airborne pathogens by generating a controlled area of germicidal UV-C light in the upper regions of a room. Since air naturally circulates in any room due to convection, air that is warmed in the lower part of a room (from respiration and other sources) continually rises where it will be exposed to UV light, which kills airborne bacteria and viruses in seconds. The UV light disinfection field is restricted to the upper area of the room (must be installed at least seven feet from the floor).

UV effectiveness against various microbes



Percentage disinfection calculations are based on intensity at end of (9,000 hour) lamp life.
*There are many strains of coronavirus that have been identified. This chart lists just two.

UV air disinfection is recognized and endorsed by ASHRAE* as effective for the reduction of airborne microbes.



FS-33 Wall mount
FS-33-CR Ceiling mount
37 5/8" wide



FS-22 Wall mount
FS-22-CR Ceiling mount
26 1/8" wide



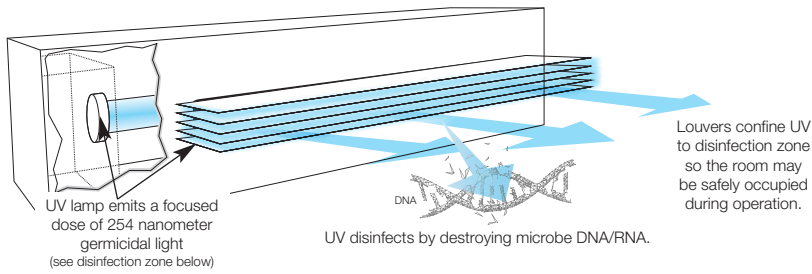
Bi-directional / Ceiling Mount

Important: The 7-foot minimum installation height requirement must be observed to assure the safety of the occupants.

*The American Society of Heating, Refrigerating and Air-Conditioning Engineers

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BioGardUV™ Air Flow System



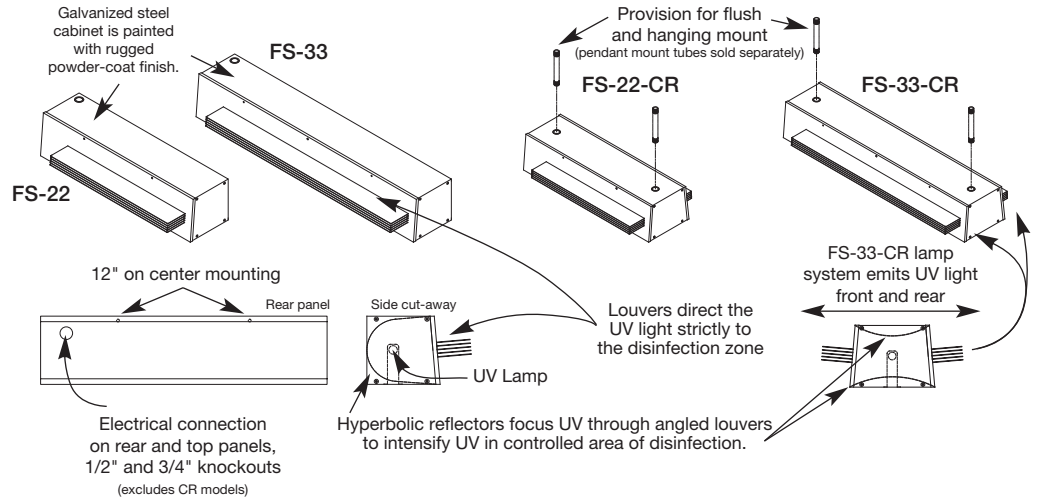
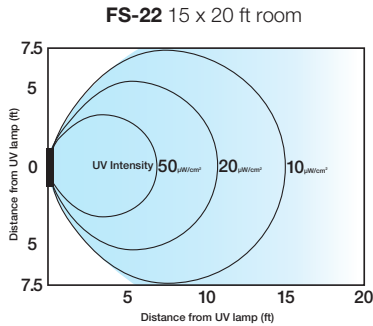
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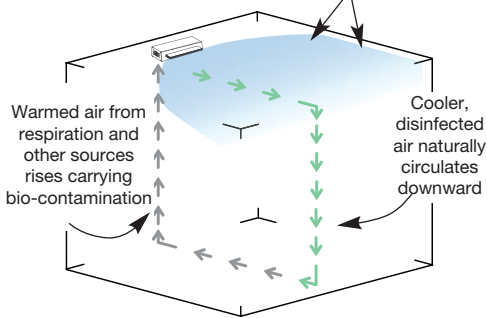
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BioGardUV™ Upper Air Irradiance



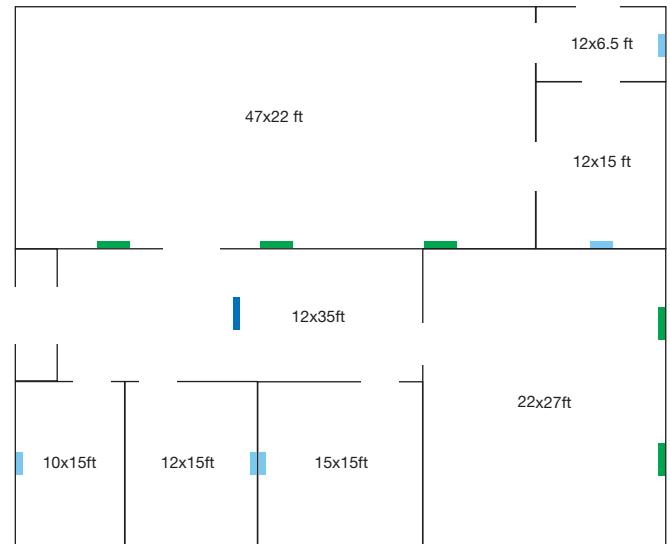
BioGardUV™ Air circulation through disinfection zone



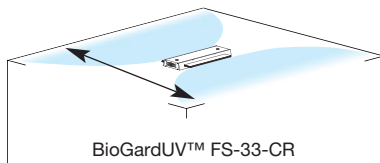
Typical placement for various models



Contact Ultravation for information and advice on the number of units required based on room size, and for placement suggestions.



BioGardUV™ Ceiling Mount for extended coverage



Specifications

Model	Coverage sq. ft.	Total UV-C output	UV lamp wavelength	UV lamp life	Power consumption	Width	Height	Depth
BioGardUV™ FS-22	225 (15'x15')	10w	254nm	9,000 hrs	28VA	26.1"	6.1"	9.2"
BioGardUV™ FS-33	350 (16'x22')	16w	254nm	9,000 hrs	36VA	37.7"	6.1"	9.2"
BioGardUV™ FS-22-CR	450 (15'x30')	10w	254nm	9,000 hrs	28VA	26.1"	6.1"	13.5"
BioGardUV™ FS-33-CR	700 (16'x44')	16w	254nm	9,000 hrs	36VA	37.7"	6.1"	13.5"

Power: All models auto-sensing 120-277 VAC, 50/60 hz.

Important: When installed, bottom of fixture must be at least 7 feet above the floor.



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Member:



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