





PROJECT NAME
ORDERING #

Reduce infectious disease transmission with upper room air disinfection. This unit continuously disinfects air circulating through the room. It is safe to run even while the room is occupied.

KEY SPECIFICATIONS

Input Power	36W
Input Voltage	120-277VAC
Wavelength	254 nm
Projected Lifetime	9,000 hours
Dimensions	48" W x 5" H x 8.6875" D
Warranty	5 years (excluding bulbs)
Certification	   



ORDERING

Model Root	Unit Type	Series	Options
LLT	UVRIG - Upper Air	NZ	BLANK - None

Safety Note: Under normal operation, this Upper Room Germicidal UV Disinfection unit does not expose skin or eyes to direct UVC radiation; however it is important to know that direct UVC radiation can cause skin burns and eye injuries that may appear hours after exposure has occurred. Avoid direct skin exposure to UVC radiation and never look directly into a UVC light source, even briefly. Therefore, do not tamper with the normal operation of this upper room unit, and take precautions to protect skin and eyes when performing maintenance.

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PHOTOBIOLOGICAL INFO

Irradiance Results

Measurement Distance: 200 mm

Spectral Range: 200-300 nm

Hazard	Measured Value	Resulting Risk Group	Risk Group Limit Value	Time to Exposure Limit(s)
Actinic UV (mw m ⁻²)	7.13E-01	Exempt	1	> 30,000
Near UVA (W m ⁻²)	7.13E-01	Exempt	10	> 30,000
Blue Light Small Source (W m ⁻²)	N/A	N/A	N/A	N/A
IR Eye (W m ⁻²)	7.13E-01	Exempt	100	> 1,000
Thermal Skin (W m ⁻²)	7.13E-01	Pass	3.56E+03	> 10

Irradiance Results

Measurement Distance: 200 mm

Spectral Range: 200-300 nm

Luminance in 11 mrad: 1999202.29 cd m⁻²

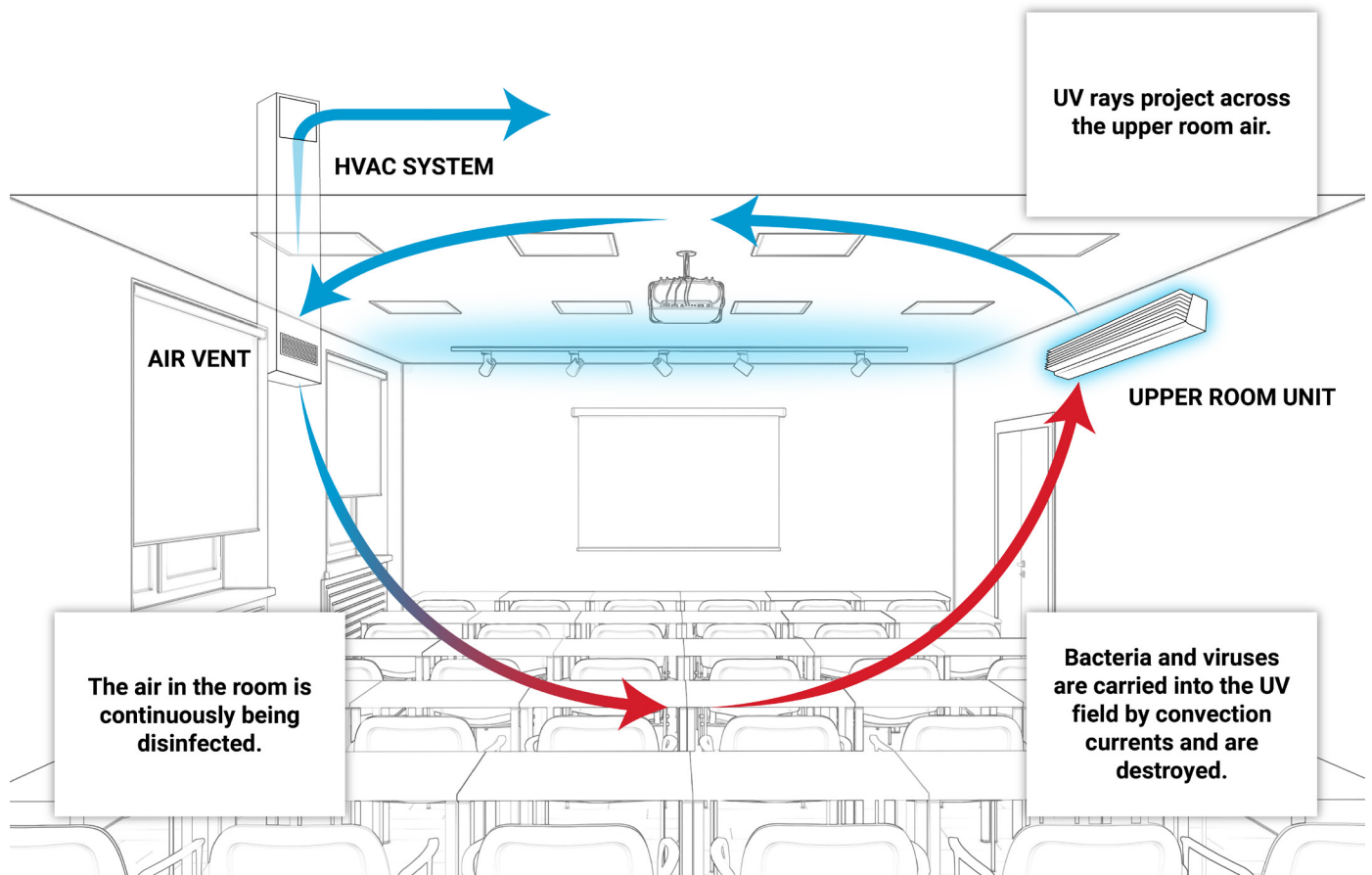
Hazard	Measured Value (W sr ⁻¹ m ⁻²)	Risk Group Limit Value (W sr ⁻¹ m ⁻²)	Risk Group Tested	Pass / Fail
Blue Light Hazard 100mrad FOV	7.56E-02	100	Exempt	Pass
Blue Light Hazard 11mrad FOV	N/A	N/A	Group 1	N/A
Blue Light Hazard 1.7mrad FOV	N/A	N/A	Group 2	N/A
Retinal Thermal 11mrad FOV	3.12E-01	2.81E+05	Exempt	Pass
Retinal Thermal 1.7mrad FOV	N/A	N/A	Group 2	N/A
Retinal Thermal Weak Visual 35mrad FOV	N/A	N/A	Exempt	N/A
Retinal Thermal Weak Visual 11mrad FOV	N/A	N/A	Group 1	N/A

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HOW IT WORKS

- Mount the unit 7 feet or higher on wall
- The unit's baffles direct UVC light upward and outward
- An irradiated cloud is created in the room's upper air region
- Air circulation—natural or mechanical—lifts infectious agents into the upper air region
- UVC irradiation in the upper air region inactivates bacteria, viruses, and other pathogens



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PLACEMENT

When surveying a room for placement of UR GUV fixtures, be mindful that the general coverage area for each fixture is 20' x 20'. It is suggested that for every 400 sq. feet, one fixture be used. If the area is between 400 and 800 sq. feet, use 2 fixtures. Likewise between 800 and 1200 sq. feet, use 3 fixtures – and so on for every 400 sq. feet of area to be covered. For ACH equal to or greater than 7, it is suggested to place one fixture every 200 to 300 sq. feet, depending on aerosol-mitigation demands. Please see example diagrams below.

