



# Vive

Revolutionary far UV-C air and surface disinfection for occupied spaces

## Efficacy

Protect high-risk spaces with 99%+ air and surface disinfection. With continuous Far UV-C, there's no need to rely solely on manual chemical disinfection anymore, which miss up to 50% of surfaces.

## ROI

Improve your indoor health practices. Enhancing ventilation and disinfection protocols have been shown to increase employee productivity, student achievement, and reduce viral risk.

## Sustainability

Achieve your IAQ goals with 64% less energy costs and greenhouse gas emissions than HVAC. Upgrade from point-in-time to continuous surface disinfection while producing 99% less waste than chemical wipes.

## Autonomous

Labor-free disinfection that automatically powers on/off to maximize efficacy and bulb life while minimizing energy usage.

## Connected Platform

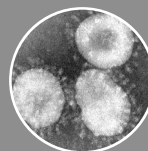
R-Zero's software platform, Connect, integrates data from all devices, extracts insights, and manages workflows. Location and operation of each device is recorded and can be shared in reports to key stakeholders.

## How it works

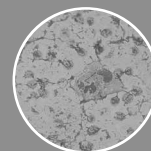
R-Zero's Vive emits filtered Far UV-C light (222 nm wavelength) as a cone of disinfection over a space, with coverage of 200 sq ft per device. Far UV-C light does not penetrate the outer layers of skin or eyes, so prolonged exposure is safe for humans, while being highly effective at inactivating microorganisms.



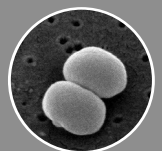
Independently validated to inactivate harmful microorganisms in the air and on surfaces, including:



**99.78%**  
Human coronavirus (Surface)



**99.99%**  
Klebsiella aerogenes (Aerosol)



**99.99%**  
Staphylococcus epidermidis (Aerosol)



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### Overall Specifications

Mount Height	2.5m to 5m (8.2 ft to 16.4 ft)
Light Distribution	Cone of disinfection aimed from ceiling to floor with 116 deg angle
Typical Startup Time	<1 second
Adjustable Angle Bulbs	45°
Coverage Area	Up to 200 square feet
IP Grade	IP20

### UV Bulbs

Wavelength	222nm
UV Source	3 Krypton Chloride excimer bulbs
Light Filtration	3 monochromatic filters
Rated Lamp Life	5,000 hours

### Physical

Dimensions	13.5" x 12" x 4.5"
Base	24" x 24"
Weight	4.6 lb
Mounting Location	Ceiling or wall

### Electrical

Input Voltage	Universal 100-240 VAC
Input Power	Typical 60W
Input Frequency	50 - 60Hz

### Environmental

Indoor/Outdoor	Indoor only
Altitude	0-3000m
Temperature	0-35C (32-95F)
Relative Humidity	10-90%

### Regulatory

Current Certifications	NRTL listed to UL 1598, UL 867 (Ozone), CSA C22.2 No. 250, UL 8750
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### Safety

Vive utilizes KrCl excimer lamps and monochromatic filters to ensure only human-safe wavelength of light is emitted. The ACGIH and NIOSH set the standard for TLV (threshold limit value) for 222nm light over an 8 hour period.

2022 TLV for eyes	161mJ/cm <sup>2</sup>
2022 TLV for skin	479 mJ/cm <sup>2</sup>

Vive will never exceed these limits. We ensure that our hotspot at center beam stays below the 161 mJ/cm<sup>2</sup> TLV for eyes to reflect a worst-case scenario of someone staring directly into the Vive for 8 hours.