



Eon

Next generation Far UV-C disinfection.
Sleek and noiseless design, human safe 24/7.

Efficacy

Protect high-risk spaces with 98%+ 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 up to 50% fewer 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

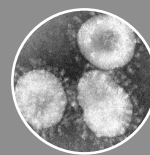
R-Zero's software platform, Connect, integrates data from all devices, extracts insights, and manages workflows. Location and operation of each device is recorded and can be shared in reports to key stakeholders.

How it works

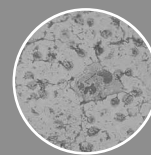
R-Zero's Eon emits filtered Far UV-C light (222 nm wavelength) as a cone of disinfection over a space. Far UV-C light does not penetrate the outer layers or skin or eyes, so prolonged exposure is safe for humans, while being highly effective at inactivating microorganisms.



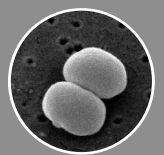
Independently validated to inactivate harmful microorganisms in the air and on surfaces, including:



98.22%
Human coronavirus
(Surface)



99%
Klebsiella aerogenes
(Aerosol)



99.9%
Staphylococcus epidermidis
(Aerosol)



Eon

Hospital-grade 24/7 safe air and surface disinfection

Overall Specifications

Mount Height	2.5m to 5m (8.2 ft to 16.4 ft)
Typical Startup Time	<1 second
IP Grade	IP20

UV Bulbs

Wavelength	222nm
UV Source	222nm Excimer Lamp
Light Filtration	Monochromatic Filter
Rated Lamp Life	9,000 hours

Physical

Dimensions	13.5" x 12" x 4.5"
Base	24" x 24"
Weight	4.6 lb
Mounting Location	Surface-Mounted Downlight

Electrical

Input Voltage	Universal 100-277 VAC
Input Power	Typical 60W
Input Frequency	50 - 60Hz

Environmental

Indoor/Outdoor	Indoor only
Altitude	0-3000m
Temperature	0-40° C (32-104° F)
Relative Humidity	10-90%

Regulatory

Current Certifications	NRTL listed to UL 1598, UL 2998 (Ozone), CSA C22.2 No. 250
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Safety

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

2022 TLV for eyes	161 mJ/cm ²
2022 TLV for skin	479 mJ/cm ²

Eon will never exceed these limits. We ensure that our hotspot at center beam stays below the 161 mJ/cm² TLV for eyes to reflect a worst-case scenario of someone staring directly into the Eon for 8 hours.