



HOMEBOY INDUSTRIES (FIRST STREET)  
LOS ANGELES, CALIFORNIA



**ALL YOU NEED  
IS LUV!**  
(Idaho Mountain Express,  
1/20/23)

# introducing the halō™



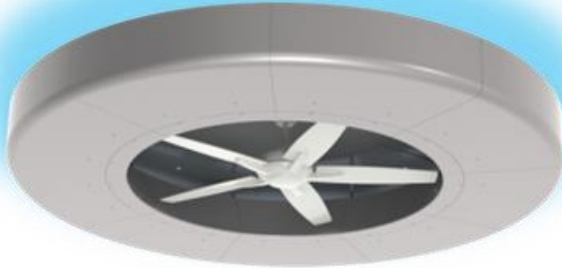
## breathe clean and healthy indoor air

- Continuously protect all your occupants from airborne germs and allergens all day long
- Enhance your [ESG metrics](#) - energy efficiency, indoor air security, carbon footprint, labor relations, health and wellness, inclusiveness for the vulnerable and responsible governance
- Show your affirmative commitment to the safety, health, and well-being of customers and staff
- 10X better than any other approach to reduce health risk from infectious airborne pathogens
- The only proactive solution, with state-of-the-art directional airflow and rapid disinfection
- Proven SARS-CoV-2 99.9% kill rate by Boston University Medical BSL3/4 infectious disease lab, effective for ALL known respiratory pathogens
- Upper-air UVGI technology endorsed by [The White House](#) and leading infection control experts
- Airflow and [spectrometry](#) independently verified by Caltech/MIT physicists and engineers
- Proprietary aerospace-grade materials and coating; custom exterior colors/designs available
- Whisper-quiet and unobtrusive, aesthetic design
- Designed and manufactured locally, ships direct from our Gardena, California distribution center
- *Coverage:* up to 4,500 SF (> 20 ACH<sub>e</sub>)
- *Warranty:* 5-year limited, excludes bulbs
- *Bulbs:* 254 nm, ~9,000 hour rated
- *O&M:* < \$5/day, 500-650 W/120 V
- *Compliance:* [Seismic Zone IV](#) • [UL 507](#) • [FCC 47](#) • [CSA 22.2#113-10](#) • [ICES-005](#) • [2022 ACGIH TLVs](#)

## Breathe free!

LUV Systems, Inc. | EPC Western Plaza | 18726 South Western Ave. #407 | Gardena, CA 90248  
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the halō is not a medical device (Class I FDA exempt). Pictures are shown for illustration only, actual products may vary. the halō is covered by various patents and pending patents as listed on [our website](#). ©2022 LUV Systems, Inc., all rights reserved. 230216



## the halo™

### Technical Specifications

Model: 5R/M

#### Safety & Efficacy

- Close-range (< 6 ft) and long-term (> 8 hr) protection, effective for ALL known respiratory pathogens
- Proven 99.9% SARS-CoV-2 kill rate by Boston University Medical infectious disease laboratory
- Verified > 2,000+ CFM for breathing zone control
- Average germicidal dose (per pass): > 2.0 mJ/cm<sup>2</sup> in air
- Airborne Pathogen Mitigation Index (APMI):<sup>1</sup> > 9.5/10
- Equivalent Air Changes/Hour (ACH<sub>e</sub>): > 20
- Safety compliance with [UL 507/Clause 223.2](#) and [CSA 22.2#113-18; FCC 47](#) and [ICES-005; 2022 ACGIH TLVs](#)

#### Capacity

- Coverage area: 800 to 4,500 sq ft
- Multiple units for larger spaces
- Ceiling height: 9 ft minimum, no maximum
- Lateral room dimensions: 15 ft minimum

#### Power

- On/off: Wall switch, optional motion detection for automatic operation
- Total consumption: 500-650 W
- Supply: 120 V, standard 15 A breaker

<sup>1</sup> The dimensionless APMI, or Airborne Pathogen Mitigation Index ranges from 0 to 10, with 0 representing the least protection (e.g., no mitigation) and 10 representing the highest protection from cross-transmission risk of respiratory infection. For more information and a comparison to other mitigation measures, please see the LUV Systems' paper, [Preventing Respiratory Infections: A unified dose model and IAQ risk assessment tool](#).

#### Lights

- 254 nm fluorescent/germicidal (Low-UVC) bulbs
- Certified ozone-free
- Low-UVC flux (combined): 97-153 W, contained
- Rated bulb life: 9,000 hr

#### Upflow Fan

- Brushless DC motor
- Blade color: White<sup>2</sup>
- Programmed fan modulation
- Air dynamics optimized for maximum breathing zone control and effective halo residence time
- Gentle airflow < 1 ft/sec in occupied areas
- Whisper-quiet operation
- Blade diameter: 60 in

#### Construction

- Fabricated to aerospace-grade specifications
- Proprietary low-UVC absorbing internal coating
- Exterior colors:<sup>2</sup> Alabaster | Angelic White | Taupe | Ash
- Exterior finish: Satin
- Overall dimensions: 8.8 ft diameter x 1.6 ft height
- Weight: 350 lb
- [Warranty](#): 5-year limited, excludes bulbs

#### Mounting

- Compatible with wood frame, concrete, and drop ceilings
- Complies with California building code, [Seismic Zone IV](#)

<sup>2</sup> Please inquire for custom colors/designs.

