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**CLEANAIRE**

**SILENTAIRE · CLEANAIRE**

ENHANCED SAFETY AGAINST VIRUSES, BACTERIA & MOLD

PROTECTION FROM ABOVE

**Blue Halo™**  
LIGHTING

# SilentAire UVC Round High Bay

EP-SAHB-RM Series | Ambient Lighting with Internal UVC Technology\*\*

## PRODUCT FACTS



**Enclosed**  
GUV Distribution

\*shown w/ optional clear prismatic reflector

\*\*blue indicator light shows GUV system is active

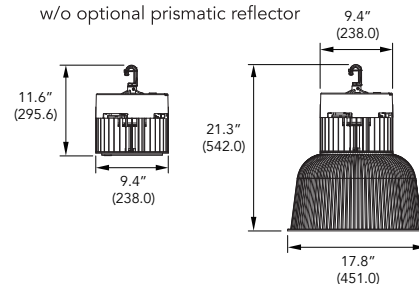
## ENHANCED AIRBORNE PATHOGEN DEFENSE SYSTEM AIR TREATMENT UV SOLUTIONS

### KEY PRODUCT FEATURES, DETAILS & SPECS

- Engineered with the latest in UVC technology to inactivate bacteria & viruses
- Integral SilentAire fan system draws in ambient air to help continuously facilitate air treatment
- A sealed internal UVC LED chamber ensures zero direct UVC exposure
- Improve air quality for use while the space is occupied (with no special controls, safety measures or training req'd)
- Blue indicator light lets you know that the SilentAire GUV system is operational
- SilentAire fan system returns the UVC treated air back into the space
- Ambient LED performance equal to 171W @ 22,500 lumens (185W SilentAire system wattage)
- Ambient LED up to 130 LPW provides 60+% in energy savings vs. legacy HID, T5 & T8 luminaires
- Installs like a traditional LED high bay, no special installation steps required, simply 'plug & play'
- Ambient lighting to be DLC Standard qualified for energy savings & potential energy rebates
- Optional field installed clear & opaque prismatic lens available for added design flexibility



\*base luminaire shown  
w/o optional prismatic reflector



### STOCK ORDERING INFORMATION (typical 2-3 day shipment lead time)<sup>1</sup>

Catalog Logic/PT#	Model #	UPC	Size	Lumens <sup>2</sup>	LED Watts	LPW	System Watts	CCT	CRI	Voltage	Dimming	DLC <sup>3</sup>
EP-SAHB-RM-22500LM-8-50K-MV-LVD	558041410	849489066882	Round Med	22,500	171.2	>130	185.0	5000K	80 (min)	120-277V	1-10V	Pending

#### Notes:

1. In-stock inventory, specs subject to change (contact factory for availability).
2. Fixture lumen performance shown is for the base high bay luminaire only (does not include optional prismatic reflector).
3. Search first 6-digits of the model # followed by '##' on the DLC QPL to view DLC qualified SKUs. (Ex. '558041###')



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Comprehensive Germicidal Solutions

## AVAILABLE STOCK ACCESSORIES (must be ordered separately)



**Additional Performance Accessories** (requires field installation)

Catalog Logic/PT#	Model #	Description
SAHB-RM-CPR	955804141001	70° drop clear prismatic reflector
SAHB-RM-OPR	955804142001	70° drop opaque prismatic reflector

## MISCELLANEOUS PRODUCT SPECS & DETAILS

### Load Information

Power Factor	> 0.90
THD	< 20%
Frequency	50/60 Hz
Sound Rating	48 dBA
Low Temp LED	-40° C (-40° F)
Max Temp LED	45° C (113° F)
Low Temp UVC LED	-30° C (-22° F)
Low Temp Fan	-10° C (14° F)
Unit Weight (w/o CPR)	9.9 lbs
Unit Weight (w/ CPR)	12.6 lbs

### Lumen Maintenance

Ambient Temp	TM-21 LM Maintenance (54,000 hours)
25° C (77° F)	> 80.35%
Ambient Temp	TM-21 Theoretical (L70 hours)
25° C (77° F)	87,300

## SILENTAIRE UV & FAN SPECIFICATIONS & DETAILS

UV Source	UV Wavelength	UV Irradiance	UV Wattage	UV Lifetime	Air Flow Rate	Fan Sound Rating	Fan Wattage	Fan Lifetime
LED	270-280nm	400 mW	8.0	30,000 hours	80.0 CFM	40 dBA	5.8	50,000 hours

## SILENTAIRE SYSTEM OVERVIEW

The SAHB SilentAire UVC Round High Bay Series is a hybrid lighting solution that combines traditional LED ambient illumination with SilentAire's internal ultraviolet air treatment system that does not allow any direct exposure to UVC. No specialized controls, safety measures or training required. All SilentAire products can improve air quality when in use and the space is occupied vs. direct UVC solutions that can be a health and safety risk if not properly operated.

SilentAire products are engineered with an integral quiet fan system designed to continuously funnel contaminated ambient air through an internally sealed UVC. UVC technology is proven to effectively kill or inactivate many types of bacteria, mold, fungi and viruses.

The system then returns treated air back into the occupied space.

Simply install SAHB products like any traditional LED high bay luminaire with 'plug & play' operation to help create safer people spaces against airborne pathogens. Pair with additional SilentAire and CleanAire™ solutions to build an enhanced defense system against current and future bacteria.

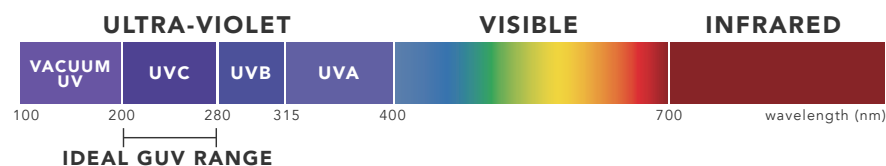
### UV AIR TREATMENT\*\*



\*shown w/ optional opaque prismatic reflector (Model #955804142001)

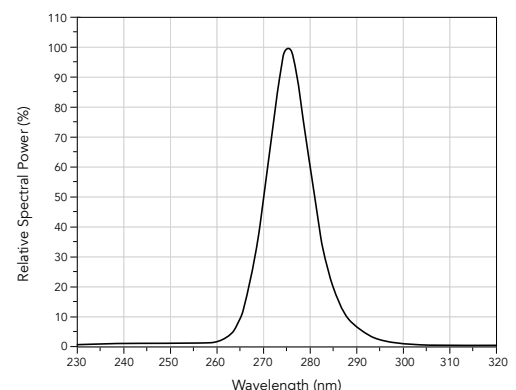
1. Integral fan system helps to funnel in contaminated ambient air
2. Fully enclosed UVC chamber kills or inactivates bacteria & viruses
3. Treated air is returned to the space, helping to increase air changes per hour

## UV LED SPECTRUM DETAILS



- GUV (Germicidal Ultraviolet) is an effective and proven technology in use for over 35-years
- The short ultraviolet wavelengths in the photobiological band "UVC" is ideal in eliminating bacteria
- The UVC range is outside the visible spectrum of "light" that can quickly kill bacteria & inactivates viruses
- Thanks to its fast efficacy, GUV within the UVC range is great for air treatment
- The effectiveness is set by the exposure dosage in irradiance & time (how much & how long)
- Direct exposure to GUV within the UVC range can be a safety & health hazard to both the skin & eyes
- SilentAire's sealed UVC chamber eliminates direct exposure when in use

### SAHB Series UVC LED Spectrum



All specs are subject to change w/o notice & all reported values are nominal/typical measured under lab conditions @ 25° C (77° F).

\*\*All references to "disinfection" are referring to the general reduction or inactivation of potential pathogens within a space.

\*\*ETI SSL and its parent company does not promise/warrant the use of SilentAire products will protect or prevent any end user from contamination and/or infection by any bacteria, mold, fungi, virus, illness or disease.

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