

**PROTECTION FROM ABOVE**

ENHANCED SAFETY AGAINST VIRUSES, BACTERIA & MOLD

This location has certified  
**CLEAN AIR**

UVU-UVB DISINFECTION  
FDA & EPA approved



# 12" Plasma Flushmount

EP-SAFM Series | Ambient Lighting with Internal Plasma Air Disinfection\*\*

\*blue indicator light shows  
Plasma disinfection system is active

## PRODUCT FACTS



ENHANCED AIRBORNE PATHOGEN DEFENSE SYSTEM

## PLASMA DISINFECTION SOLUTIONS



## KEY PRODUCT FEATURES, DETAILS & SPECS

- Engineered with Blue Halo's 2nd Generation Plasma Technology to safely inactivate bacteria & viruses
- Nonthermal "cold" plasma is generated internally via our Patent Pending Proprietary Technology
- Internal circulation system pushes and disperses plasma from the plasma generator
- The space is filled with positive and negative ions neutralizing harmful bacteria, pollutants, and even odors
- Plasma technology continually and proactively treats the air in the occupied space at the source of contamination
- Blue indicator light lets you know that the Blue Halo Plasma system is operational
- Installs like any LED flushmount, no special installation steps required, simply 'plug & play'
- Ambient LED 4000K performance equal to 14W @ 1,000 lumens (17W SilentAire system wattage)

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

Catalog Logic/PT#	Model #	UPC	Size	Lumens	Watts	LPW	CCT <sup>2</sup>	CRI	Voltage	Dimming
EP-SAFM-R12-PL-1000LM-9-CP5-MV-D-WH	558121110	849489067674	12" DIA	1,000	14W	71	5-CCT	80 (min)	120V	TRIAC

**Notes:**

1. In-stock inventory due Q4 2022, specs subject to change (contact factory for availability).
2. Color Preference<sup>®</sup> luminaires offer a field selectable integral switch. This fixture offers 5-CCT (2700K, 3000K, 3500K, 4000K, 5000K). Factory set 2700K.



# 12" Plasma Flushmount

EP-SAFM Series



## MISCELLANEOUS PRODUCT SPECS & DETAILS

### Load Information

<b>Power Factor</b>	>0.90
<b>THD</b>	<20%
<b>Frequency</b>	50/60 Hz
<b>Sound Rating</b>	45 dBA
<b>Low Temp Start</b>	-20° C (-4° F)
<b>Max Temp</b>	45° C (113° F)
<b>Unit Weight</b>	11.68 lbs

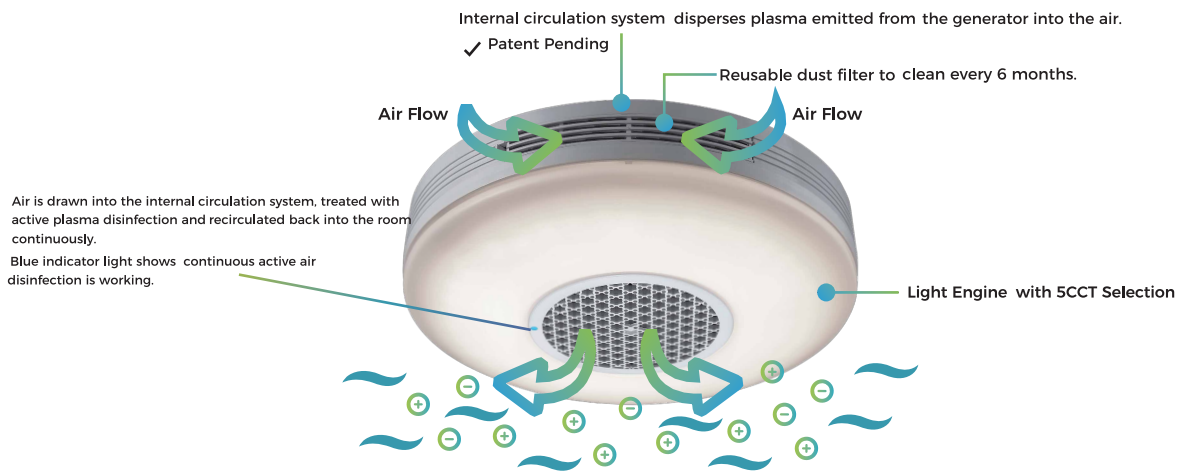
## PRODUCT SPECS & DETAILS

<b>Air Flow Rate</b>	39 CFM
<b>Fan Sound Rating</b>	45 dBA
<b>Fan Wattage</b>	3
<b>Fan Lifetime</b>	50,000 hrs

## PLASMA FLUSHMOUNT OVERVIEW

The 12" Plasma Flushmount is a hybrid lighting solution that combines traditional LED ambient illumination with Blue Halo's new Plasma Technology. No specialized controls, safety measures or training required.

The second generation of SilentAire utilizes nonthermal "cold" plasma. Our new luminaires will use an internal fan system to push and disperse plasma from out PATENT PENDING Proprietary Technology filling the space with positive and negative ions neutralizing harmful bacteria & virus and even odors. Blue Halo's Plasma Technology continually and proactively treats the air in the occupied space at the source of contamination.

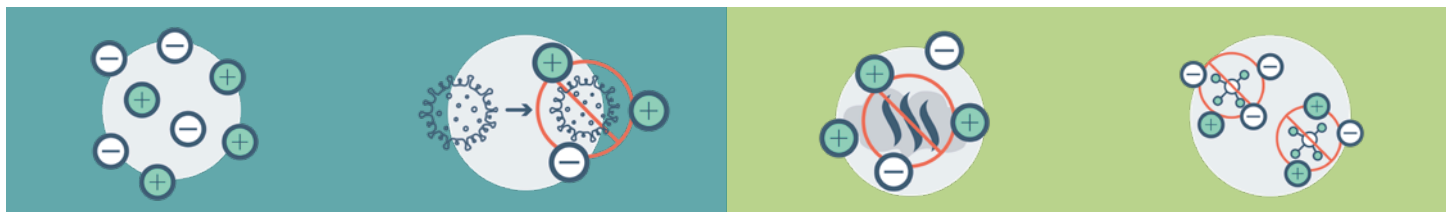


1. Nonthermal "cold" plasma is generated internally via our Patent Pending Proprietary Technology.
2. Internal circulation system pushes and disperses plasma from the plasma generator.
3. The space is filled with positive and negative ions neutralizing harmful bacteria and virus.
4. Plasma technology continually and proactively treats the air in the occupied space at the source of contamination.

\*Tested on SARS-CoV-2 (commonly known as COVID-19) with two fixtures in high speed mode for 2 hours in a 18m<sup>3</sup> (600Cubic ft.) chamber. Removed 99.99% of SARS-CoV-2 (commonly known as COVID-19) from the air. Not proven to prevent the transmission of Covid-19. No air treatment device can guarantee the prevention of virus transmission. We recommend following CDC guidelines.

## PLASMA TECHNOLOGY DETAILS

- Plasma is one of the four fundamental states of matter.
- A plasma is an electrically charged gas into which sufficient energy is provided to free electrons from atoms or molecules and to allow both species, ions and electrons, to coexist.
- A plasma is created when one or more electrons are torn free from an atom. Atoms that are missing electrons are called "ions". Ions have a positive electrical charge.
- A plasma is generally a mix of these positively charged ions and negatively charged electrons.
- Plasma occurs naturally on Earth from flames, lightening and the Aurora Borealis.
- Plasma is proven method in the medical field for disinfection/sterilization of medical devices, as well as the degradation of toxins and other pathological contaminants.
- Wide-ranging applications of Plasma Technology make it 100% safe in all occupied spaces.



Airborne particles are charged by the ions released by the plasma generator causing them to cluster and easily be caught in the air.

This ionized air that contains positively and negatively charged molecules attract and kill germs on contact.

Odorous gases and aerosols oxidize on contact with ions and are neutralized as well.

Ions cause a chemical reaction with VOCs breaking down their molecular structure.