Blue Halo™
LIGHTING

Plasma 2x2 Flat Panel

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

*blue indicator light shows plasma disinfection system is active

PRODUCT FACTS

Air Disinfection

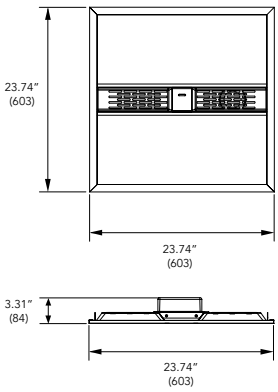
Enclosed Circulation System

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 bateria & viruses
- Nonthermal "cold" plasma is generated internally via our Patent Pending Proprietary Technology
- Internal circulation system pushes and disperses plasma from the plasma generator
- 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 Plasma system is operational
- Plasma technology continually and proactively treats the air in the occupied space at the source of contamination
- Ambient LED 4000K performance equal to 39W @ 4,375 lumens (101W Plasma system wattage)
- Ambient LED up to 112 LPW provides 60+% in energy savings vs. legacy fluorescent troffers
- Installs like any LED flat panel, no special installation steps required, simply 'plug & play'
- Ambient lighting to be DLC Standard qualified for energy savings & potential energy rebates
- Optional surface & suspension mount kits available for added design flexibility
- ColorPreference® field selectable 4-CCT for added design flexibility (3000, 3500K, 4000K & 5000K)



*Preliminary image shown, sizing will stay roughly the same

STOCK ORDERING INFORMATION (typical 2-3 day shipment lead time)[1]

Catalog Logic/PT#	Model #	UPC	Size	Lumens[2]	LED Watts	LPW[2]	System Watts	CCT	CRI[3]	Voltage	Dimming
EP-SAFP-22-LB4-8-CP4-MV-LVD	558101110	849489067513	2x2	2500/3125/ 3750/4375	21/27/ 33/39	112	101	4-CCT	80 (min)	120-277V	0-10V

Notes:
1. Stock SKUs typically ship in 24-48 hours upon receipt of an approved released order.
2. Lumen value & LPW shown is for 4000K ColorPreference® setting.
3. ColorPreference®(3000, 3500K, 4000K & 5000K)
4. Search first 6-digits of the model # followed by '##' on the DLC QPL to view DLC qualified SKUs. (Ex. '558101###')

DLC QPL LISTED · UL CERTIFIED · FC · 3 Color Selectable COLOR PREFERENCE® · DAMP LOCATION · 5 YEAR WARRANTY

Plasma 2x2 Flat Panel

EP-SAFP-22 Series | Ambient Lighting with Internal Plasma Air Disinfection**

MISCELLANEOUS PRODUCT SPECS & DETAILS

Load Information

Power Factor	> 0.90
THD	< 20%
Frequency	50/60 Hz
Sound Rating	48 dBA
Low Temp LED	-20° C (-4° 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	11.68 lbs

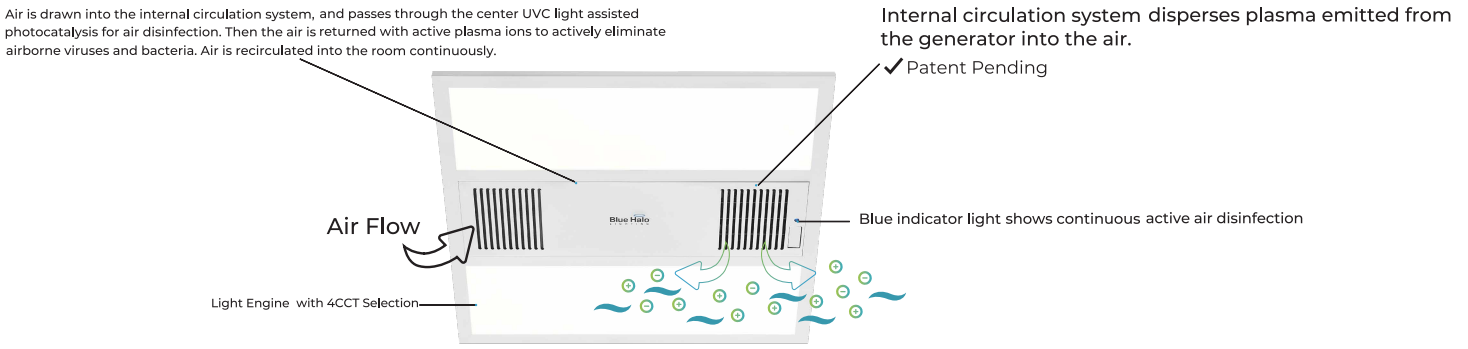
Plasma & Fan

Air Flow Rate	39 CFM
Fan Sound Rating	48 dBA
Fan Wattage	4
Fan Lifetime	50,000 hrs

PLASMA FLAT PANEL OVERVIEW

The Plasma 2x2 Flat Panel 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. All Plasma products can improve air quality when in use while the space is occupied vs. direct UVC solutions that can be a health and safety risk if not properly operated.

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

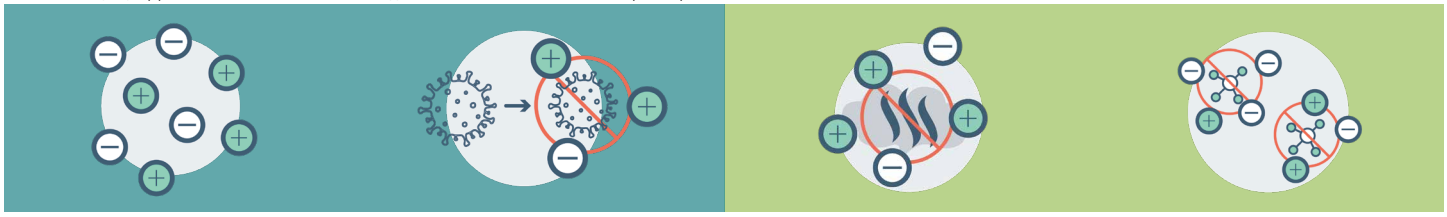


1. Nonthermal "cold" plasma is generated internally via our Patent Pending Proprietary Technology.
2. Internal circulation system pushes and disperses plasma from the plasma generator.
3. The space is filled with positive and negative ions neutralizing harmful bateria and virsus.
4. Plasma technology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

*Tested on Staphylococcus albus 8032 and Influenza A Virus H1N1 with two fixtures at high speed mode for 2 hours in a 20m³ (706 Cubic ft.) chamber. Removed 99.9% of Staphylococcus albus 8032 and Influenza A Virus H1N1 from the air. Not yet tested on SARS-CoV-2 (commonly known as COVID-19). Not proven to kill SARS-CoV-2 or 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, lightning 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.

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