



# UVC 2x4 Flat Panel

EP-SAFP-24 Series | Ambient Lighting with Internal UVC Technology\*\*

## PRODUCT FACTS

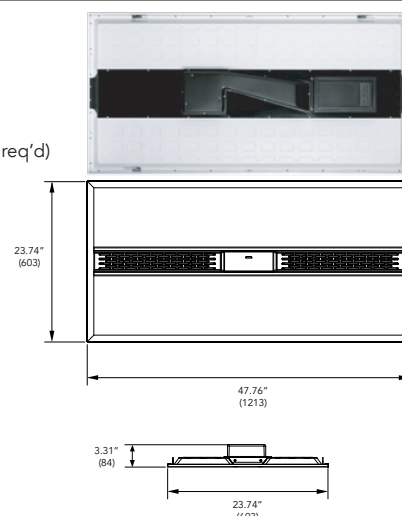


\*blue indicator light shows GUV system is active

## 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 Blue Halo 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
- Blue Halo fan system returns the UVC treated air back into the space
- Ambient LED performance equal to 45W @ 5,500 lumens (50W SilentAire system wattage)
- Ambient LED up to 120 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



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

Catalog Logic/PT#	Model #	UPC	Size	Lumens	LED Watts	LPW	System Watts	CCT	CRI	Voltage	Dimming
EP-SAFP-24-5500LM-8-40K-MV-LVD	558071410	849489066943	2x4	5,500	45	122	50.0	4000K	80 (min)	120-277V	0-10V

Notes:

1. In-stock inventory, specs subject to change (contact factory for availability).
2. Search first 6-digits of the model # followed by '##' on the DLC QPL to view DLC qualified SKUs. (Ex. '5580714##')



# UVC 2x4 Flat Panel

EP-SAFP-24 Series | Ambient Lighting with Internal UVC Air Disinfection\*\*



## AVAILABLE STOCK ACCESSORIES (must be ordered separately)



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

Catalog Logic/PT#	Model #	Description
EMA25FY-170 <sup>1</sup> (G3)	70112202-2	Square, 25W, IP rated, 90 minutes
EMUFO-25170-YY <sup>1</sup> (G3)	70112201-2	Round, 25W, IP rated, 90 minutes
EMA40FY-170 <sup>1</sup> (G3)	70114402-2	Square, 40W, IP rated, 90 minutes
EMUFO-40170-YY <sup>1</sup> (G3)	70114401-2	Round, 40W, IP rated, 90 minutes
EM-R-TEST-REMOTE <sup>2</sup>	70203101	Round BBU handheld test remote
SAFP-24-SM-KIT	906008550	UVC 2x4 panel surface mount kit
FP-SUSP-KIT	95457326101	Flat panel suspension mount kit

Notes:

1. BBUs certified in CA Title 20 MAEDBS. (search by Catalog logic/PT#, Ex. 'EMA25FY-170')

2. BBU handheld test remote compatible w/ Round BBUs only

## 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	200 mW	1.0	30,000 hours	29 CFM	48 dBA	4.0	50,000 hours

## SYSTEM OVERVIEW

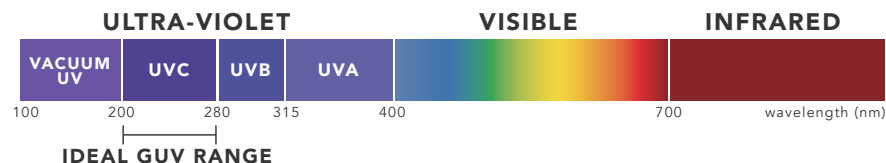
The SAFP-24 UVC 2x4 Flat Panel is a hybrid lighting solution that combines traditional LED ambient illumination with Blue Halo's internal air treatment system that does not allow any direct exposure to UVC. No specialized controls, safety measures or training required.

All Blue Halo 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.

Blue Halo products are engineered with an integral quiet fan system designed to continuously funnel contaminated ambient air through an internally sealed UVC chamber. 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 SAFP-24 products like any traditional LED flat panel luminaire with 'plug & play' operation to help create safer people spaces against airborne pathogens. Pair with additional Blue Halo Lighting solutions to build an enhanced defense system against current and future bacteria.

## UV LED SPECTRUM DETAILS



- GUUV (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, GUUV 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 GUUV within the UVC range can be a safety & health hazard to both the skin & eyes
- Blue Halo's sealed UVC chamber eliminates direct exposure when in use

## 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	14.65 lbs

### Lumen Maintenance

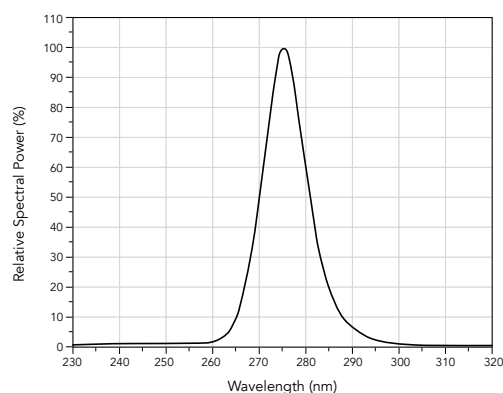
Ambient Temp	TM-21 LM Maintenance (60,000 hours)
25° C (77° F)	> 88.48%
Ambient Temp	TM-21 Theoretical (L70 hours)
25° C (77° F)	171,700

## UV AIR TREATMENT\*\*



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

## SAFP 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 Blue Halo products will protect or prevent any end user from contamination and/or infection by any bacteria, mold, fungi, virus, illness or disease.

