



UVC 2x2 Volumetric Troffer

3-CCT ColorPreference® & Onboard Control Panel

SATR-DI Series | Ambient Lighting with Internal UVC Technology

PRODUCT FACTS

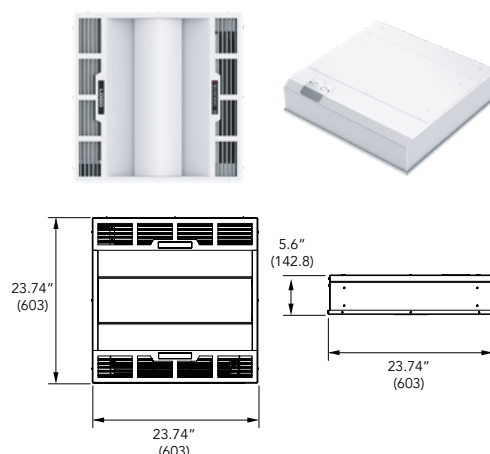


ENHANCED AIRBORNE PATHOGEN DEFENSE SYSTEM

AIR TREATMENT UV SOLUTIONS

KEY PRODUCT FEATURES, DETAILS & SPECS

- Engineered with the latest in UVC technology to inactivate 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 Halo fan system returns the UVC treated air back into the space
- Ambient LED performance equal to 50W @ 4,500 lumens (145W SilentAire system wattage)
- Ambient LED up to 90 LPW provides 60+% in energy savings vs. legacy fluorescent troffers
- Installs like any LED troffer luminaire, no special installation steps required, simply 'plug & play'
- ColorPreference® field selectable 3-CCT for added design flexibility (3000K, 4000K, 5000K)
- Onboard control panel and remote control allows you to easily monitor and change settings



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

Catalog Logic/PT#	Model #	UPC	Size	Lumens	LED Watts	LPW	System Watts	CCT	CRI	Voltage	Dimming
SATR-DI22-4500LM-8-3CP-MV-LVD	64207101	849489066844	2x2	4,500	50W	90.0	145W	3-CCT	80 (min)	120-277V	0-10V

Notes:

1. In-stock inventory due early Q4 2021, specs subject to change (contact factory for availability).



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MISCELLANEOUS PRODUCT SPECS & DETAILS

Load Information

Power Factor	> 0.90
THD	< 20%
Frequency	50/60 Hz
Sound Rating	33/41/45 dBA
Low Temp LED & Lamp	-10° C (14° F)
Max Temp LED & Lamp	45° C (113° F)
Low Temp Fan	-10° C (14° F)
Unit Weight	22.0 lbs

UV & FAN SPECIFICATIONS & DETAILS

UV Source	UV Wavelength	UV Irradiance	UV Wattage	UV Lifetime	Air Flow Rate	Fan Sound Rating	Fan Wattage	Fan Lifetime
Tube	254nm	165 uW/cm ²	75.0	7,000 hours	74/121/164 CFM	33/41/45 dBA	35.0	50,000 hours

SYSTEM OVERVIEW

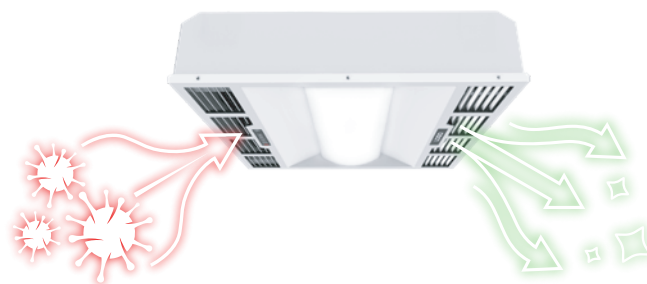
The SATR-DI Blue Halo UVC 2x2 Direct | Indirect Troffer is a hybrid lighting solution that combines traditional LED ambient illumination with Blue Halo's internal ultraviolet treatment system that does not allow any direct exposure to UVC. No specialized controls, safety measures or training required. 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 SATR-DI products like any traditional LED troffer luminaire with 'plug & play' operation to help create safer people spaces against bacteria. Pair with additional Blue Halo solutions to build an enhanced defense system against current and future bacteria.

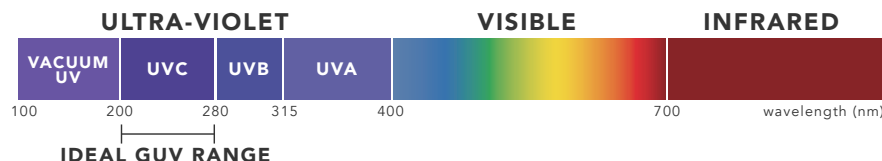
UV AIR TREATMENT**



1. Integral fan & the space's HVAC 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

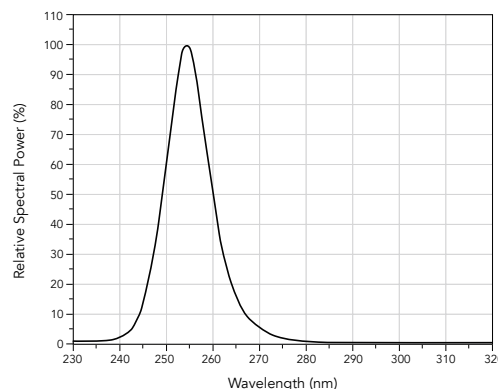
*Tested on Influenza A Virus H1N1 on high speed mode for 2 hours in a 30m³ (1059 Cubic ft.) chamber. Removed 99.9% of Influenza A Virus H1N1 from the air. Not yet tested on SARS-CoV-2 (commonly known as COVID-19). Not proven to kill SARS-CoV-2 or prevent the transmission of Covid-19. No air treatment device can guarantee the prevention of virus transmission. We recommend following CDC guidelines.

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

SATR-DI22 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.

