Blue Halo™
LIGHTING


# UVC 2x2 Volumetric Troffer

## 3-CCT ColorPreference® & Onboard Control Panel

SATR-DI Series | Ambient Lighting with Internal UVC Technology

### PRODUCT FACTS

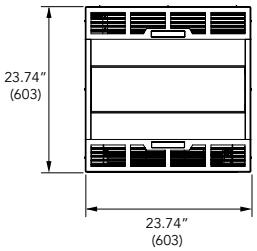
**Enclosed**
GUV Distribution

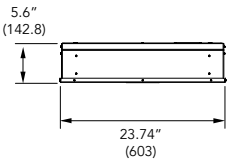
## ENHANCED AIRBORNE PATHOGEN DEFENSE SYSTEM

## 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).

CERTIFIED · FC · RoHS Compliant · 3 Color Selectable COLOR PREFERENCE® · DAMP LOCATION · 3 YEAR WARRANTY

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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.

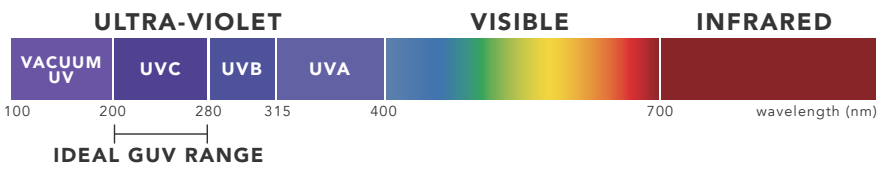
Simply install SATR-DI products like any traditional LED troffer luminaire with 'plug & play' operation to help create safer people spaces against bateria. Pair with additional Blue Halo solutions to build an enhanced defense system against current and future bateria.

### 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 bateria & viruses
3. Treated air is returned to the space, helping to increase air changes per hour

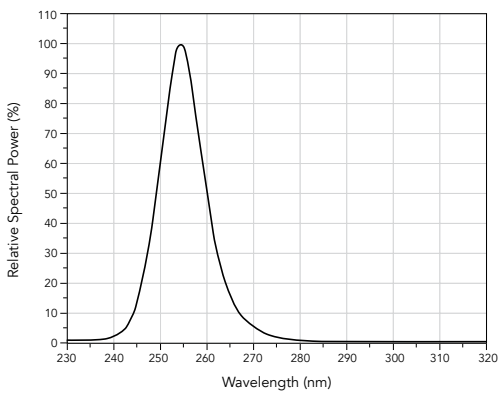
*Tested on Influenza A Virus H1N1 on high speed mode for 2 hours in a 30m³ (1059 Cubic ft.) chamber. Removed 99.9% of Influenza A Virus H1N1 from the air. Not yet tested on SARS-CoV-2 (commonly known as COVID-19). Not proven to kill SARS-CoV-2 or prevent the transmission of Covid-19. No air treatment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





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