VIOLET / UV-C GERMICIDAL LIGHTING SYSTEM

A DECONTAMINATION SYSTEM THAT WORKS AS HARD AS THE PEOPLE IT PROTECTS

The pandemic caused many EMS agencies to explore ways to decontaminate the back of their vehicles, and many home-brewed solutions were conceptualized during the initial phases of response. The market has been demanding a smart germicidal lighting UV-C decontamination system that was both robust and customizable. We listened earnestly, and are ready to deliver:

*Introducing Violet, the world's first purpose-built LED UV-C Germicidal Lighting system designed specifically for the back of an ambulance, with the same Advance Exchange Lifetime Warranty that all FireTech products offer.**

Violet is an automatic UV-C Germicidal Lighting system that runs in the background to irradiate an unoccupied patient compartment while your crew continue to do their work elsewhere. The system will automatically run for a predetermined length of time while monitoring a variety of sensors to ensure the area is unoccupied. Violet will audibly announce when decontamination is beginning, when it is operating, and when it is complete.

Our system is built around Violet Emitters, which are a series of surface-mounted UV-C LED light fixtures connected to a smart central brain panel called the Violet User Interface Panel. The Violet Emitters are designed to be installed inside the patient compartment and shine high output UV-C light on the surfaces inside the back of the ambulance. The system operates automatically before and after each call, logging its operations to a memory card that may be downloaded and correlated against patient care records for recordkeeping between patients, if desired.

Unlike aerosolized systems, if the ambulance is needed for a call, Violet may be interrupted and stopped immediately. The decontamination process will halt upon detection of vehicle occupancy via door and seatbelt triggers or motion within the vehicle.

FDA INFO ABOUT UV-C DEVICES

FOR MORE INFORMATION PLEASE CONTACT A FIRETECH SALES REPRESENTATIVE AT (703) 662-3458

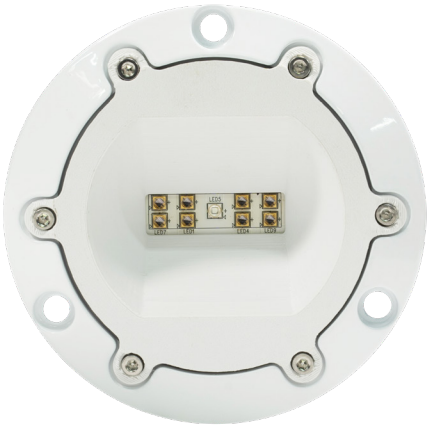
* Calculated dose and effectiveness of germicidal systems must be evaluated by the purchasing agency. HiViz makes no claim to the specific effect of UV-C Germicidal light in any application, and agencies are encouraged to seek qualified council when evaluating decontamination or UV-C systems for use in ambulances.

VIOLET USER INTERFACE PANEL

The Violet User Interface Panel serves as the central brain of the system and includes all the software and programming required to make the system function. The user-facing portion of the panel includes an OLED display, an emergency stop button, a manual decon button, and four programming function buttons integrated into the “FireTech” logo to help you navigate the system. Additionally, there are two separate indicator lights that specify when the system is “IN USE” and when the decontamination is “COMPLETE”.

This piece of the system includes terminals for sensor inputs on the rear of the panel to communicate input triggers of the seatbelt sensors, door triggers, the parking brake trigger, and the PIR/Ultrasonic Occupancy Sensor. At a minimum, the system must have the PIR/Ultrasonic Occupancy Sensor as a base level of safety. The other inputs are optional depending on the type of truck and customer preference.

The Violet User Interface Panel is designed to be mounted in the “action area” of the ambulance, within easy reach of the primary medic seated at the front of the gurney.



VIOLET EMITTER

The Violet Emitter releases the germicidal UV-C light within the patient compartment and is designed to be surface-mounted to the ambulance ceiling that is equipped with the Violet UV-C Decontamination System. The emitters are the backbone of the system, containing 8x Luminus XST-3535-UV LEDs which emit 275-286nm wavelengths.

The power draw of each Violet Emitter is approximately 25 watts, and it operates from 9 - 32V DC. A max of eight emitters are allowed per system, with a minimum of two required for installation on your ambulance.

OCCUPANCY SENSOR

The Occupancy Sensor is the minimum required input trigger within the Violet UV-C Decontamination System. It uses a combination of passive infrared (PIR) and ultrasonic motion sensing to detect if your ambulance is occupied. This sensor must be present and in view of all areas where a person might be in the emission area of the Violet Emitters. The Occupancy Sensor is powered by the Violet User Interface Panel and draws 0.88 watts.

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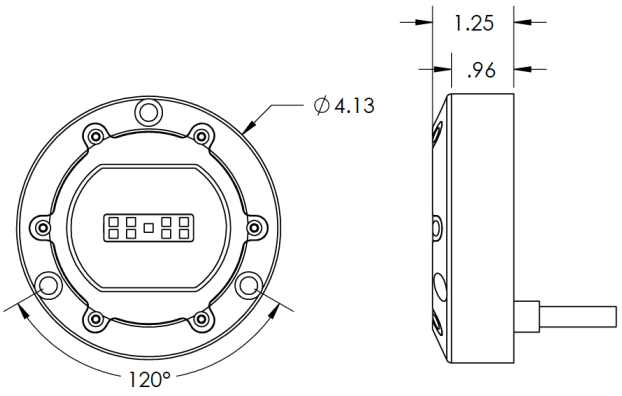
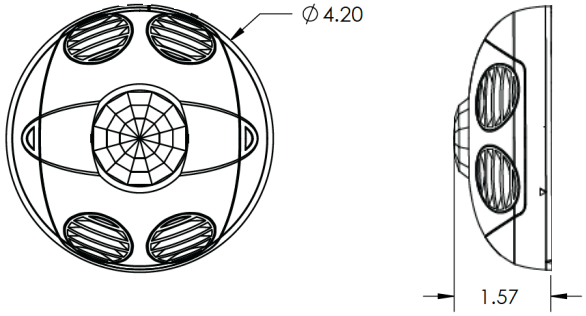
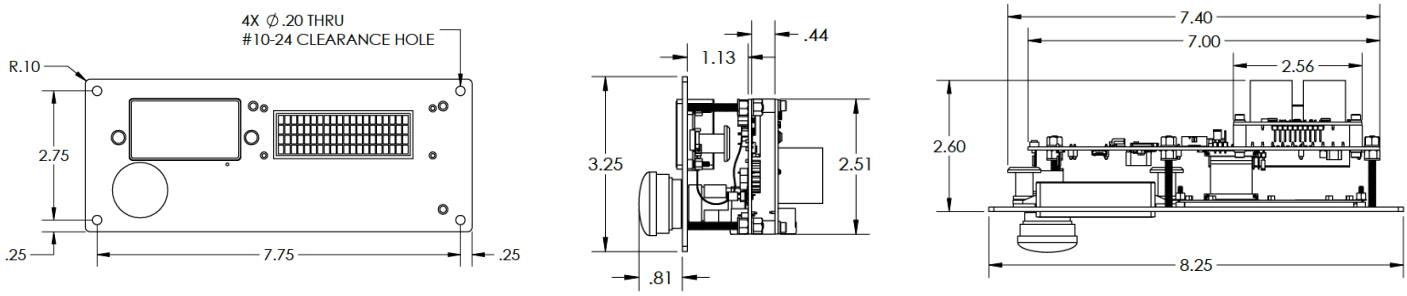
DIMENSIONS - VIOLET EMITTER



DIMENSIONS - OCCUPANCY SENSOR



DIMENSIONS - VIOLET USER INTERFACE PANEL



VIOLET UV-C GERMICIDAL LIGHTING SYSTEM DETAILS

Model / Order Number	Description	Wattage	Amperage	Weight	Dimensions
HV-VIOLET-6KIT	Violet UVGL System: 6 Violet Emitters, 1 Occupancy Sensor, 1 Violet User Interface Panel.	164.88W	12.87A	8 lbs.	Panel: 8.25" x 2.60" x 3.25" Emitter: 4.13" x 1.25" Sensor: 4.20" x 1.57"
HV-VIOLET-AQX	(1) Violet UV-C Emitter.	26.9W	2.1A	1.26 lbs.	4.13" x 1.25"

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