

AIR TREATMENT SYSTEM



**LED UV PANEL
SERIES - PoE**

by

mhtlighting
illuminating PoE technology





WELCOME

How MHTi-UV Works ?

MHTi-UV uses years of advanced research and development in ultraviolet light and PoE enabled technologies to create a truly modern and effective air treatment system:

- Using patent pending technology UV-C treatment technology, air is quietly drawn into a sealed UV-C air chamber with a series of fans and filters.
- Air is circulated through the UV-C air chamber where it is treated with an enclosed **high intensity UV-C light to de-activate bacteria, fungus and viruses** in the air. Treated air is then returned to the room creating a healthier environment.
- MHTi-UV air is unobtrusive, **works continuously**, and with the in- ceiling design, maintains the valuable floor space in patient and staff areas.
- MHTi-UV offers a **quiet operation** (< 35 db).
- Minimum of **two air circulation per hour providing 99.99% disinfecting solution.**
- All disinfection parameters are user selectable through our inspeXtor software package over the internet. (Pathogen type, disinfection period, applied power, etc.) and are displayed based on CDC guidelines.

AUTOMATED CONTINUOUS UV-C AIR TREATMENT SYSTEM



Automated Continuous UV-C Air Treatment System, our engineered air system uses patent pending UV-C light air purification technology to virtually eliminate levels of viruses and bacteria by automatically and continuously treating the air to create healthier environments.

- ✓ **Simple** - MHTi-UV operates without interruption 24/7/365 and does not interfere with current staff work ow.
- ✓ **Seamless** - the system integrates a sealed UV-C air treatment chamber into existing or new construction in- ceiling lighting.
- ✓ **Effective** - using the latest in advanced UV-C light puri cation technology, laboratory studies have shown effective removal of bacteria, fungus and viruses from the air.
- ✓ **Scalability** - Supplying both control and power over ethernet means that installation is simple and efficient.

Three kinds of antiseptic and antiviral mechanisms offer you 24hr all-weather protection against bacteria and virus with / without light

MHTL-UV - UV PANEL Series



GENERAL INFORMATION

Applications	Education / Hospitals / Labs / Hospitality / Commercial
Warranty	*5-Year Warranty on fixture
Certifications	  

PRODUCT DATA

Universal Input Voltage	PoE 40-55V
Mounting	Standard Grid Mount Ceiling Surface Mount Kit Suspended Cable Mount Kit

ORDERING INFO: Sample Code - MHTi-UV-US-L

Series	Size	Mounting Options	Options
MHTi-UV			
MHTi-UV	US - 2x4 EU - 595mm x 1195mm	SM - Surface Mount Kit RM - Recessed Grid Mount AC - Suspended Cable Mount	(Blank) - No Light L - Led Light

* Aluminum body, IC board, light panel system, drivers & ballast: 5-year warranty · LV power supply and lamp holder: 2-year warranty
· All other components: 1-year warranty

SYSTEM COMPONENTS

- ✓ **PoE Switch** - System power for the inspeXtor® platform offers significant flexibility in how a system is configured. Choose either a Cisco PoE+ (30W per port) or a UPoE (60W per port) networking switch.
- ✓ **PoE inspeXtor®** - Choose either our rack-mounted server or cloud based software to fully control your system.
- ✓ **LED UV Panel** - Manufactured in our ISO Certified facility, rest easy knowing we thoroughly test each fixture to ensure it meets standards prior to sending to delivery.

HOW UV-C AIR PURIFICATION WORKS

UV-C uses years of advanced research and development in ultraviolet light and IOT enabled technologies to create a truly modern and effective air treatment system:

- Using patented UV-C treatment technology, air is quietly drawn into a sealed UV-C air chamber with a series of fans and filters.
- Air is circulated through the UV-C air chamber where it is treated with an enclosed high intensity UV-C light to inactivate bacteria, fungus and viruses in the air.
- Treated air is then returned to the room creating a healthier environment.
- UV-C Clean Air is unobtrusive, works continuously, and with the in ceiling design, maintains the valuable floor space in patient and staff areas.

COMMON APPLICATIONS

IDEAL FOR ALL PLACES OF GATHERING

HOSPITALS / LABS



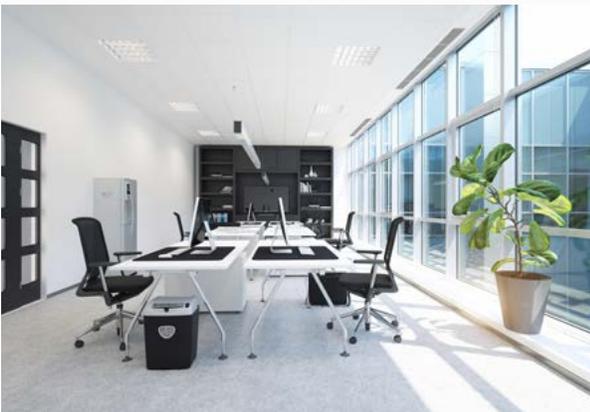
Leading hospitals and Laboratory settings are combatting contaminated air with a proven, patented UV-C air purification system. Decrease the possibility of cross contamination in your labs.

EDUCATION



Create a safe environment for faculty and students in classroom settings.

COMMERCIAL



An outbreak of any kind is never conducive to productivity in the workplace. A sanitized work environment means employees feel safer at the office.

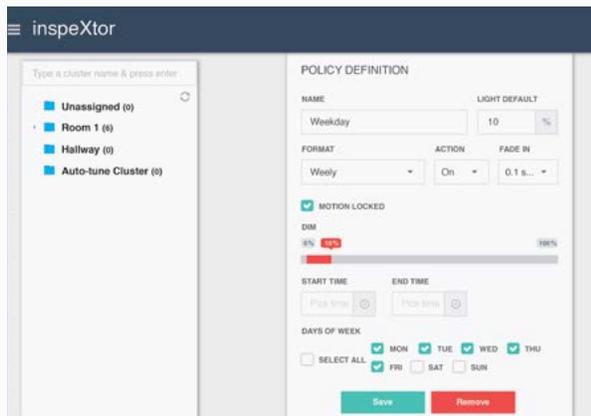
HOSPITALITY INDUSTRY



Crowded gathering places filled with strangers represent the largest opportunity for the spread of a virus or bacteria. Give patrons peace of mind by safeguarding these environments with an air sanitizing solution.

Cleaning the air, reducing air particles.

SET POLICIES



MHT has over a decade of experience designing and manufacturing energy efficient systems and is one of the pioneers of PoE technology.

Our high quality products, patented technology, and experience make MHT a proven leader in the Power over Ethernet Industry.

Easily create, edit and deploy policies to the system.



POE TECHNOLOGY

The inspeXtor™ platform also develops state-of-the-art solutions that merge LED lighting with standards-based Ethernet switches directed by software. InspeXtor® delivers a scalable, secure, and flexible system to support innovation in new applications of powering devices over standard ethernet (PoE).



The Future of Lighting is Here!

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