



# VIDASHIELD™

FAST, CONTINUOUS UV-C AIR PURIFICATION

Improving the Hospital Environment by Reducing the Bioburden



# VIDASHIELD™

Hospitals are making the right decisions when it comes to preventing infections, but there is one area that is often overlooked. There is an **Invisible Threat** that travels throughout facilities, impacts patient care, employee retention and even creates financial risk.

The American Journal of Infection Control recently cited a study that detailed how airborne dispersion of pathogens can be rapid, widespread and difficult to prevent.<sup>7</sup> Hospital air can also be a potential route for transmission of pathogenic aerosols like Methicillin resistant Staphylococcus aureus and C. difficile.<sup>2,3</sup>

Options to combat this threat were limited; before **VIDASHIELD™**.

## JOIN LEADING HOSPITALS IN BATTLING **THE INVISIBLE THREAT**

Leading hospitals are combatting contaminated air with a proven, patented UV-C air purification system uniquely designed inside a lighting fixture called **VIDASHIELD**.

Housed in a shielded UV chamber in the ceiling and ideally located for maximum effectiveness, **VIDASHIELD** continuously reduces harmful bacteria and fungi from treated air while improving air quality and minimizing odors.



24/7/365



CONTINUALLY



UNOBTRUSIVELY



AUTOMATICALLY



# Fill The Gap With Continuous Cleaning

Accepted protocols to address surface contamination are based on episodic cleaning and while hospitals are very diligent in their disinfection procedures, the **time between** and the **quality of cleaning** affects the risk. Eliminates 100% of human error.

## Infection Control Bundle:

- ✓ Surface Cleaning
- ✓ Hand Hygiene
- ✓ Treatment
- ✓ PPE
- ✓ UV-C Air Purification

Surface Cleaning

Hand Hygiene

PPE

Treatment



Hand Hygiene

Surface Cleaning



**VIDASHIELD** effectively fills the gap created when terminal cleaning isn't an option. Protect patients and staff from **The Invisible Threat** of contaminated air posed by episodic cleaning.



# Critical Care Meets Constant Cleaning

VIDASHIELD is ideal for use in critical care areas with the highest risk of HAIs – where proper cleaning can be difficult and crowds may limit access for terminal cleaning devices.



ICU



NICU



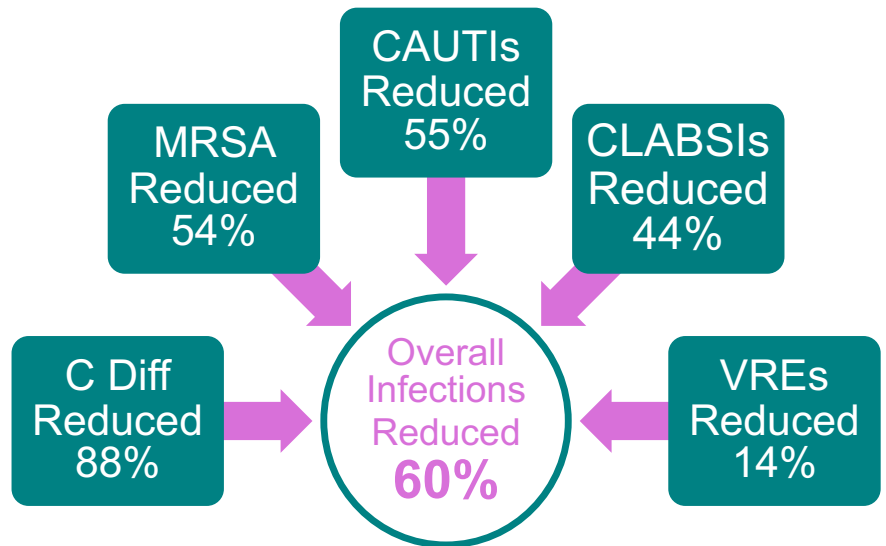
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RECOVERY

VIDASHIELD reduces the levels of bacteria and fungi in treated air and reduces the settling of viable bacteria and fungi from treated air onto surfaces.

In a recent patient outcome study, a long term acute care hospital in Kentucky reported a **60% reduction** in their overall infection rates.<sup>5</sup>



## Available in Three Models



**VS01**

Fluorescent or LED Tubes



**VS02**

LED Panel



**VS03**

No Downlight



A highly reflective, sealed UV-C chamber houses the UV lamp above the ceiling out of harm's way. No UV light leaks out of the VidaShield system, allowing for use in occupied spaces.



Back of system mounted in ceiling;  
with cover off and on



### VIDASHIELD SYSTEM DETAILS

**System:** Energy efficient

**Installation:** Easy; does not upset HVAC system

**Dimensions:** 24" wide x 48" long x 6" high (UV chamber included)

**Weight:** 44 lbs.

**Voltage:** Universal 110-277v

**UV Lamp:** Ultraviolet germicidal lamp operates at peak wavelength of 254nm, doesn't produce ozone

**Annual Maintenance:** UV lamp

**Other Maintenance:** MERV 6 filter replacement every 3 months



3 Year Limited Warranty  
ETL Listed





VIDASHIELD™



For more information, contact your VidaShield sales representative.

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The VidaShield brand is owned, sold, distributed, marketed and manufactured by Medical Illumination in San Fernando, California. It is also known as the UV24 overhead air purification system. For more information, log onto [medillum.com](http://medillum.com).

EPA Establishment No. 94728-CA-1. This product is protected by US Patent Numbers: 8,350,228; 7,922,521; and 8,439,517 as well as the corresponding foreign protection. <sup>1</sup>Linda D. Lee., PhD, MBA, LV-17-C042, Can using active air UV-C technology reduce the amount of bacteria and/or fungus in the air and improve indoor air quality? ASHRAE Conference (2017) <sup>2</sup>Best EL, Fawley WN, Parnell P, Wilcox MH. 2010 The potential for airborne dispersal of clostridium difficile from symptomatic patients, *Clin Infect Dis* 50(11):1450-7. doi:10.1086/652648 <sup>3</sup>Seyed Hamed Mirhoseini PhD, Mahnaz Nikaeen PhD, Zahra Shamsizadeh MS, Hossein Khanahmad PhD. (2016) Hospital air: A potential route for transmission of infections caused by  $\beta$ -lactam-resistant bacteria, *American Journal of Infection Control* doi:10.1016/j.ajic.2016.01.041 <sup>4</sup>Hathaway EA, Noakes CJ, Sleight PA, Fletcher LA. 2011. CFD simulation of airborne pathogen transport due to human activities. *Building and Environment*, 46 (12) 2500-2511 <sup>5</sup>King MF, Noakes CJ, Sleight PA, Camargo-Valero MA. 2012. Bioaerosol deposition in single and two-bed hospital rooms: A numerical and experimental study. *Building and Environment*, 59, 436-447 <sup>6</sup>Long Term Care Hospital Kentucky. <sup>7</sup>Syed A. Sattar, MSc, Dip Bact, MS, PhD, Workshop on "The Role of Indoor Air as a Vehicle for Human Pathogens": A Panel Discussion, <http://dx.doi.org/10.1016/j.ajic.2016.06.007>. VidaShield is not intended to treat HAIs and does not claim to reduce HAIs.