

Cleanse® Portal

FAR-UV SANITIZING ENTRY GATE

While a twenty second pause to reduce airborne and surface microbes may sound like science fiction, the future is now.

An effective sanitization program should include multiple layers of protection. The Portal provides the first line of defense in reducing microbes on clothing and personal belongings as people enter a space. The Portal employs far ultraviolet C (Far-UVC) light, a narrow band of ultraviolet radiation proven to penetrate and inactivate air and surface microbes. Unlike conventional UVC, Far-UVC does not require use of any UV protective equipment* 1,2,3

Position the Cleanse PORTAL next to any high traffic or critical entry point. Simply step into the Cleanse Portal and make a slow 360° turn for 20 seconds to reduce the microbial load for the next layer of protection in the space, such as the air and surface sanitizing Cleanse Troffer and Downlight.*

** For safety and efficacy information, please contact us for information.*



Patent Pending

APPLICATIONS

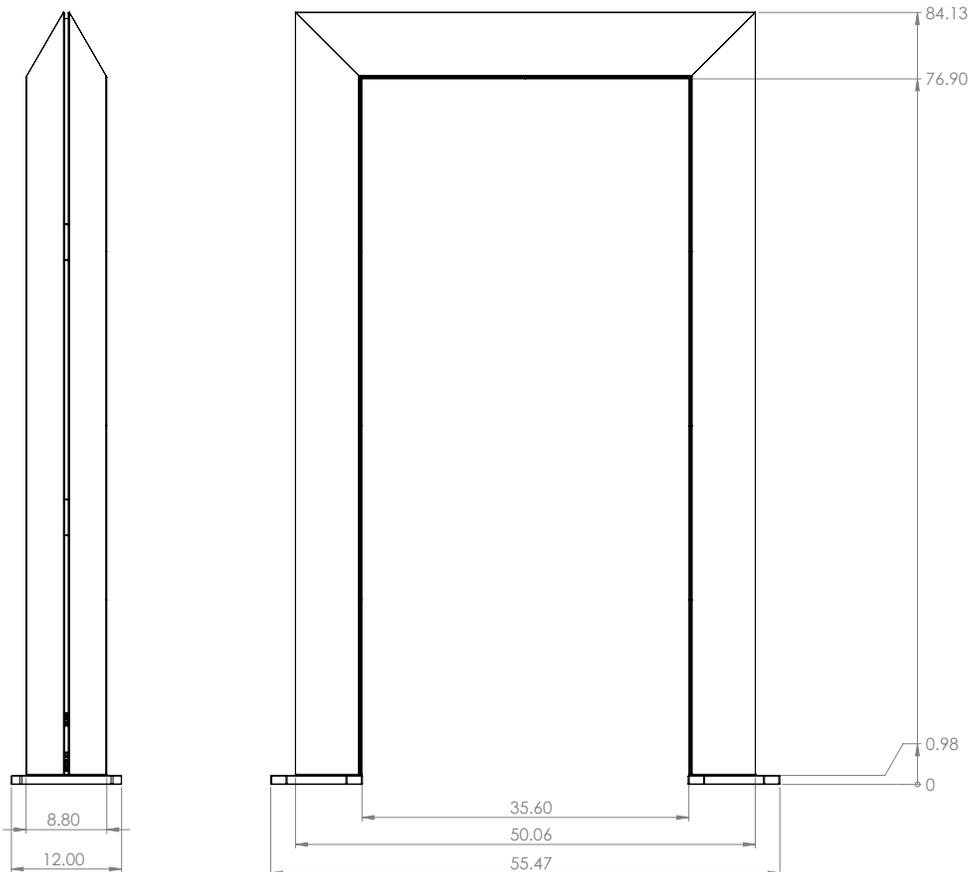
Today, establishing an improved cleaning program is more important than ever. Locating the Portal at the entrance of any retail shop, restaurant, office, daycare or school is an effective first step in reducing airborne and surface microbes.



SPECIFICATIONS All data shown is nominal

UVC SOURCE	
Wavelength	222 nm
Life	>3,000 hrs
ELECTRICAL	
Input Voltage	85–264V AC, SO Cord/Plug
Power	60 W
Control	On/Off, Motion-controlled
MECHANICAL	
Housing	Aluminum frame, steel base
Dimensions (w x h x d)	Exterior 55.5 x 84.1 x 12.0 in / Interior 35.6 x 76.9 x 8.8 in Complies with ADA doorway width requirement
Mounting	Free-standing or bolt to ground

DIMENSIONS



SAFETY

Studies have shown that skin coverings and UV protective eye shields are not required as the Far-UVC radiation does not penetrate the top layers of the skin or the tear layer of the eye. The smaller cell structure of viruses and bacteria allow the Far-UVC light to penetrate and cause damage.^{1, 2, 3}

¹ Welch, D., Buonanno, M., Griji, V. et al. Far-UVC light: A new tool to control the spread of airborne-mediated microbial diseases. *Sci Rep* 8, 2752 (2018). <https://doi.org/10.1038/s41598-018-21058-w>

² Buonanno, M., Ponnaiya, B., Welch, D. et al. Germicidal Efficacy and Mammalian Skin Safety of 222-nm UV Light; Columbia University Medical Center; 2017; <https://pubmed.ncbi.nlm.nih.gov/28225654/>

³ Manuela Buonanno, David Welch, Igor Shuryak, David J. Brenner; Far-UVC Light Efficiently and Safely Inactivates Airborne Human Coronaviruses; Columbia University Medical Center; 2020; <https://www.researchsquare.com/article/rs-25728/v1>

CONTACT US

To learn more about the Cleanse PORTAL and how these products are harnessing the ingredients of light, please visit www.efficientpowertech.com, or contact us directly.