

Product Specifications

Providing Automated, Simple, and Safe Air and Surface Sanitization

Device Features



Meets California ozone emissions limit: CARB certified.



- Continuous chemical-free environmentally safe air sanitization process that utilizes human-safe Far-UVC light to inactivate up to 99.9% of airborne pathogens silently, significantly adding equivalent air changes (eACH) to the indoor space.**
- Visium 1 is UL Certified for continuous operation and is ideal for use in occupied indoor spaces to help reduce overall pathogen loads in the air and on surfaces**.
- Features Ushio's Care222 UVC excimer lamp module with patented bandpass filter that outputs a narrow band of 222nm peak emission while blocking harmful longer wavelengths.
- Integrated IoT connectivity and sensors in combination with our proprietary algorithm enables device control, automation, and monitoring of indoor air quality and a Safe Air Score of your indoor space via the Lit Thinking App™.
- Visium 1 is easy to service and maintain with a patent-pending quick Far-UVC lamp replacement design.
- With its beautifully designed aesthetics and easy installation, Visium 1 can be installed similar to a 120-277V lighting fixture, with options of recessed, surface mount, and pendant mount.

Recessed



Surface



Pendant



Ordering Logic

MODEL

VS1 Visium 1™

SANITIZATION

UV 222 Far-UVC 222nm

VOLTAGE

MV 120-277V Multi-Voltage

Optics*

CO Clear Optics

DO Diffused Optics

MOUNTING

RM Recessed Mount

SM Surface Mount

PM Pendant Mount

STEM LENGTH

Blank No Stem

36 Default 36" Stem

XX Custom Length (from 1" to 60") (For Pendant Mount Only)

FINISH

W White

Examples: VS1 UV222 MV DO SM W

VS1 UV222 MV CO PM 36 W

*See Mounting Guide

Accessories Ordering

| PART NUMBER | DESCRIPTION |
|----------------------------------|--|
| LIT UVC222 Module B1.5 DO | Replacement Far-UVC 222 Module Diffused Optics |
| LIT UVC222 Module B1.0 CO | Replacement Far-UVC 222 Module Clear Optics |
| VS1 PM KIT | Pendant Mount Kit for Visium 1 |

Note:

1. Close range direct infectious aerosol transmission will continue to require additional precautions such as personal protective equipment and/or adequate separation.
2. UL 2998 Zero Emissions Certification only applicable to models with diffused optics.



For ordering and support, please contact Lit Thinking at customerservice@litthinking.com

**Laboratory aerosol testing reduced 99.9% of *S. aureus* and 96% of *E. coli* with Clear Optics and 98% of *E. coli* with Diffuse Optics in 30 minutes. Refer to the Lit Thinking Efficacy Report for more information.

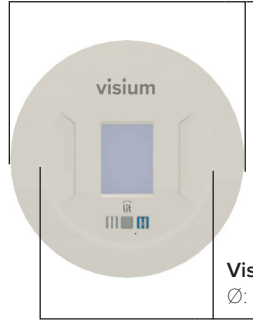
Dimensional Drawings and Technical Specifications

Visium 1 Only
6.12in (156mm)



With Included J-Box
8.55in (217mm)

Visium 1 with Trim Ring
Ø: 7.87in (200mm)



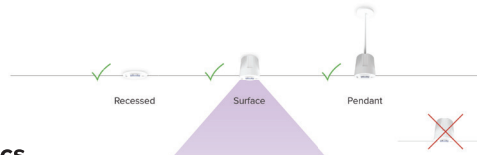
Visium 1 Only
Ø: 5.79in (147mm)

| Far-UVC Light Source | |
|------------------------------|---|
| Peak Wavelength | 222nm |
| Type | Ushio Care222 |
| UVC Lifetime | >10,000 Hrs |
| Band-Pass Filter | Yes |
| UVC Irradiance (at 5cm away) | Diffused Optics: 0.55 ± 0.15 mW/cm ² ; Clear Optics: 2.5 ± 0.7 mW/cm ² |
| UVC Emission Angle | Diffused Optics: 110° - Clear Optics: 60° |
| Device Coverage | Up to 200 sq. ft. |
| Visible Light Lumen Output | Diffused Optics: 0.51Lm; Clear Optics: 1.35Lm |
| Electrical | |
| Input Voltage | 120-277V |
| Frequency | 50-60Hz |
| Power Consumption | 14W |
| Device Control | via Lit Thinking App |
| Sensors | Motion, IAQ (via Bosch BME688 sensor) |
| Mechanical | |
| Housing | ABS/Polycarbonate Housing |
| Finish | Matte White Finish |
| Dimensions (øD x H) | 5.79in x 6.12in (147mm x 156mm) |
| Weight | 2.4lb (1,089g) |
| Operating Temperature | 0 to 40°C (32 to 104°F) |
| Installation | Recessed, Surface Mount, Pendant Mount (with optional Kit) |
| Mounting Height | Diffused Optics: 7ft 4in Above Finished Floor (AFF), Clear Optics: 9ft 4in AFF |
| Serviceability | Yes, Far-UVC Lamp is field replaceable |
| Indication | Multi-Color Configurable LED Indicator |
| Warranty and Regulatory | |
| Warranty | 1 Year Limited on Visium Device |
| Compliance | <ul style="list-style-type: none"> • Certified to UL 8802 - Safety standards for Ultraviolet Germicidal Products • Classified as Risk Exempt - Risk Group 0 under UL8802 Photobiological test • Certified to meet California ozone emissions limits - CARB Certified • Certified to UL 2998, classified as zero ozone emissions (Diffused Optic Models Only) • Complies with ACGIH Threshold Limit Values (TLV) for UVC Exposure • Visium is manufactured at an EPA registered facility |
| Environment | Suitable for Damp Locations |

Visium 1 Mounting Guide - Clear Optics

9ft 4in Plane

For compliance with UL safety standards, illuminating surface of the Visium 1 with Clear Optics is required to be 9ft 4in, or higher, above the floor.



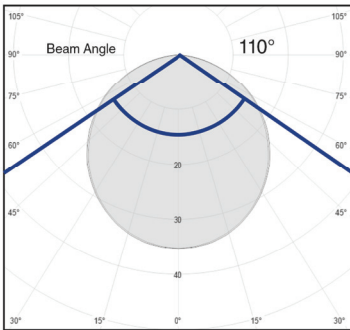
Visium 1 Mounting Guide - Diffused Optics

7ft 4in Plane

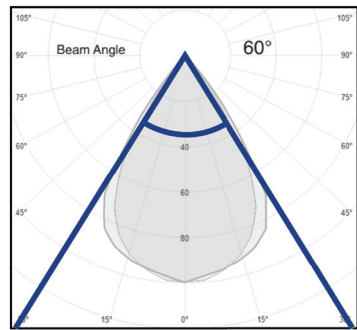
For compliance with UL safety standards, illuminating surface of the Visium 1 with Diffused Optics is required to be 7ft 4in, or higher, above the floor.



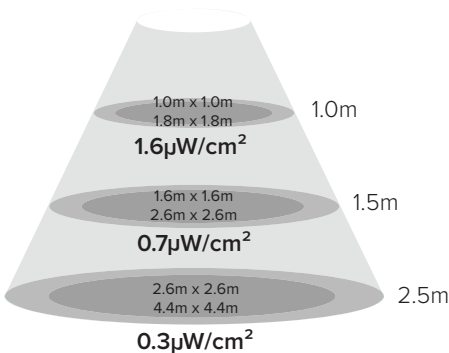
Visium 1 with Diffused Optics



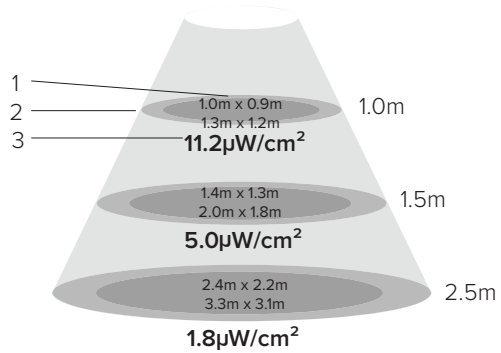
Visium 1 with Clear Optics



Visium 1 with Diffused Optics*



Visium 1 with Clear Optics*



- 1 = Area of >60% Peak Irradiance
- 2 = Area of >30% Peak Irradiance
- 3 = Peak Irradiance

**Irradiance and other technical information are for reference only and are subject to change. This is not a formal specification and does not indicate any warranted values. Please refer to the UVC lamp's formal specification sheet for complete details and specification.*

Far-UVC Safety

The safety of Far-UVC has been established with over 50 peer-reviewed studies and clinical trials. The American Conference of Governmental Industrial Hygienists (ACGIH) has established Threshold Limit Values (TLV) for UVC exposure and the safe use of Far-UVC light. Visium 1 is designed to comply with TLV to ensure safety. Furthermore, Visium 1 is UL certified under UL 8802, the safety standards for Ultraviolet Germicidal Products and is classified by UL as Risk Exempt under photobiological safety testing during evaluation. Minimum mounting heights, as listed above, are required. The shallow penetration depth of Far-UVC has been demonstrated unable to reach living tissue on humans, instead Far-UVC is completely absorbed by protective layers of the skin and eyes.

