



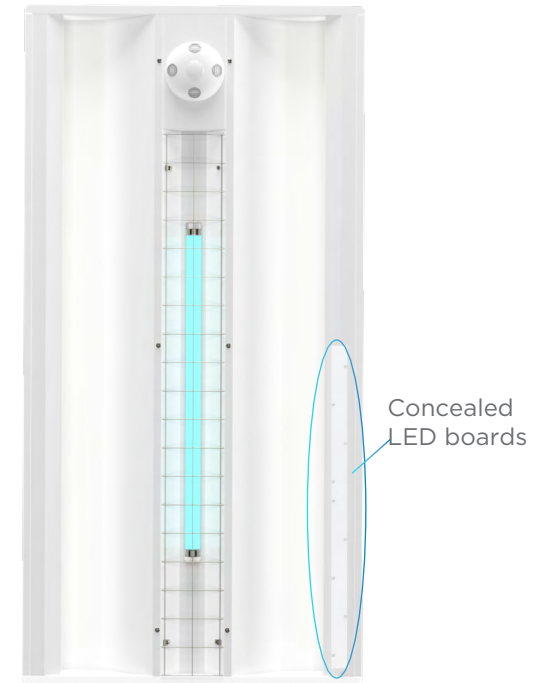
UV-C
HIGH POWER ULTRAVIOLET
DISINFECTION SYSTEMS

XtraLight[®]
LED Lighting Solutions

UV-C PERMANENT MOUNT

- Single fixture combines high power UV-C and LEDs
- Disinfects and sanitizes while room is unoccupied
- vega®uv-c reflector material amplifies the sanitizing power of UV-C
- 254 nm wavelength
- Quartz glass germicidal UV-C lamps with ceramic caps
- Creates NO ozone
- Antimicrobial white polyester powder coat post painted
- Optional secure wire guard for lamp protection
- Optional tamper proof fasteners

“*No other current technology has the capability, the adaptability, and the favorable economics to make it viable for an extremely wide variety of disease control applications.*” - Kowalski

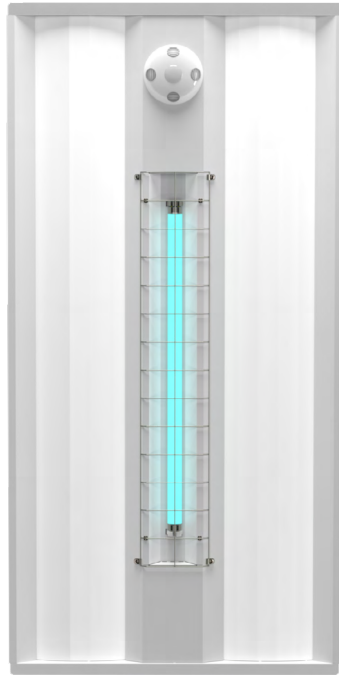


UV-C HYBRID TROFFER

This Indirect Hybrid Troffer provides UV-C disinfection when room is unoccupied and White LED light when room is occupied.

2x2 and 2x4 sizes available
Classrooms and Offices





UV-C HYBRID TROFFER

The LEDs in the Direct Hybrid Troffer are covered with a smooth frosted lens. Featuring UV-C disinfection when room is unoccupied and White LED light when room is occupied.

2x2 and 2x4 sizes available
Classrooms and Offices



UV-C COMPARISON CHART

MODEL	ADVANTAGES	DISADVANTAGES
HANDHELD	<ul style="list-style-type: none"> • Portable • Lightweight • No set up • Ideal for close range • Fits in small spaces 	<ul style="list-style-type: none"> • Requires hands on operation • Operator must wear PPE
MOBILE	<ul style="list-style-type: none"> • Portable • Powerful 360° UV-C lamps • Disinfects large spaces • Sturdy castors for easy mobility 	<ul style="list-style-type: none"> • Large unit needs wide doors • Requires lift gate when receiving shipment • Operator must wear PPE • Requires operator to move from area or room
TROFFER	<ul style="list-style-type: none"> • Permanent Mount • UV-C fixture can be added to existing spaces • UV-C disinfection while room is unoccupied • Fail safe controls 	<ul style="list-style-type: none"> • Requires an electrician to install • Based on controls/ configuration additional switches may need to be installed • Not easily serviced
SURFACE MOUNT CORNER	<ul style="list-style-type: none"> • Permanent Mount • UV-C fixture can be added to corner of existing spaces • UV-C disinfection while room is unoccupied • Fail safe controls 	<ul style="list-style-type: none"> • Requires an electrician to install • Based on controls/ configuration additional switches may need to be installed • Not easily serviced
SURFACE MOUNT CEILING	<ul style="list-style-type: none"> • Permanent Mount • UV-C fixture can be added to ceiling of existing spaces • UV-C disinfection while room is unoccupied • Fail safe controls 	<ul style="list-style-type: none"> • Requires an electrician to install • Based on controls/ configuration additional switches may need to be installed • Not easily serviced
HYBRID DIRECT	<ul style="list-style-type: none"> • Permanent Mount • Dual purpose fixture delivers UV-C and LED illumination • LEDs when room is occupied • UV-C disinfection while room is unoccupied • LEDs are covered by frosted lens 	<ul style="list-style-type: none"> • Requires an electrician to install • Based on controls/ configuration additional switches may need to be installed • Not easily serviced
HYBRID INDIRECT	<ul style="list-style-type: none"> • Permanent Mount • Dual purpose fixture delivers UV-C and LED illumination • LEDs when room is occupied • UV-C disinfection while room is unoccupied 	<ul style="list-style-type: none"> • Requires an electrician to install • Based on controls/ configuration additional switches may need to be installed • Not easily serviced

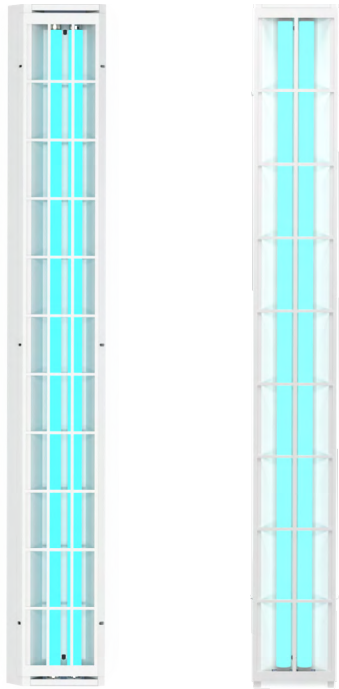


UV-C RECESSED TROFFER

Recessed troffer that delivers high power UV-C disinfection when a room is unoccupied. Troffer design allows for ease of installation

2x2 and 2x4 sizes available
Classrooms and Offices





UV-C SURFACE MOUNT

Surface mount fixture delivers high power UV-C disinfection when space is unoccupied. Designed to be installed on surfaces, walls, and corners.

2 ft. and 4 ft. sizes available
Stairwells and Restrooms



UV-C PORTABLE SYSTEMS

- Portable UV-C System to disinfect and rid spaces of microorganisms
- vega®uv-c reflector material amplifies the sanitizing power of UV-C
- 254 nm wavelength
- Uses two quartz glass germicidal UV-C lamps with ceramic caps
- Creates NO ozone
- Antimicrobial white polyester powder coat post painted

UV-C MOBILE

Designed to disinfect and sanitize common and industrial spaces. The UV-C Mobile is capable of sanitizing 700 sq. ft. to 99.99% in only 20 minutes. Equipped with an occupancy sensor and WiFi enabled timer. Controlled by an app for safety and function.





UV-C HANDHELD

Designed for difficult to reach places, the compact high power design inactivates microorganisms in 5 seconds or less when held 2 inches from any surface. The Handheld System is lightweight, easy to use, and comes with a durable carrying case.



“
The UV-C Handheld from XtraLight has proven to be the ideal solution to disinfecting the scintillation detectors on our radiological instrumentation.”

- Edward B. Wilkes, Health Physicist,
Washington River Protection Solutions, LLC



PERFORMANCE AND SAFETY GUIDELINES

UV-C Handheld Irradiance

Irradiance (mJ/cm ²)	Distance	Time to 50 mJ/cm ²	Time to 100 mJ/cm ²
2.90	2 in.	17.2	34.4
2.80	4 in.	17.8	35.6
2.30	6 in.	21.7	43.4
1.75	8 in.	28.5	57
.97	12 in.	51.5	1:43
.75	18 in	66.7	2:13

UV-C Mobile Irradiance

Irradiance (mJ/cm ²)	Distance	Time to 50 mJ/cm ²	Time to 100 mJ/cm ²
.65	3 ft	1:16	2:32
.34	5 ft	2:27	4:54
.08	10 ft	10:25	20:50
.03	15 ft	27:47	55:34
.02	20 ft	41:40	1:23:20
.01	25 ft	1:23:21	2:46:40

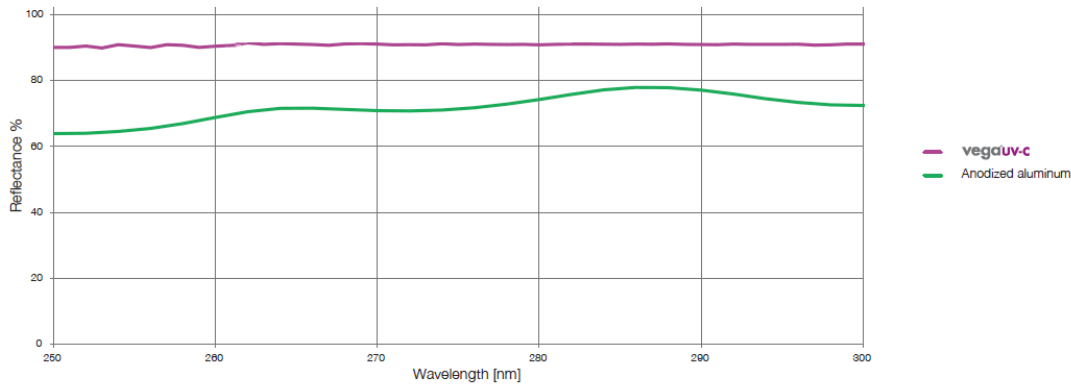
Do	Don't
<ul style="list-style-type: none"> • Protect your eyes • Use protective PPE gear • Establish a plan to disinfect area • Use safety timers • Train personnel in using UV-C Disinfecting System • Use hazard warning signs when in use 	<ul style="list-style-type: none"> • Don't expose to HUMANS and pets • Don't expose eyes & skin to UV-C • Don't allow anyone to operate UV-C fixture without reading safety instructions • Don't allow anyone into area being treated with UV-C • Don't touch the UV-C lamps while operating

Excessive exposure to UV-C can cause adverse effects on the eyes, retina, skin, circadian system, and immune system. Human over exposure causes temporary skin redness and harsh eye irritation. Symptoms may take 4 to 24 hours to occur after exposure.

HIGH PERFORMANCE REFLECTIVE MATERIAL

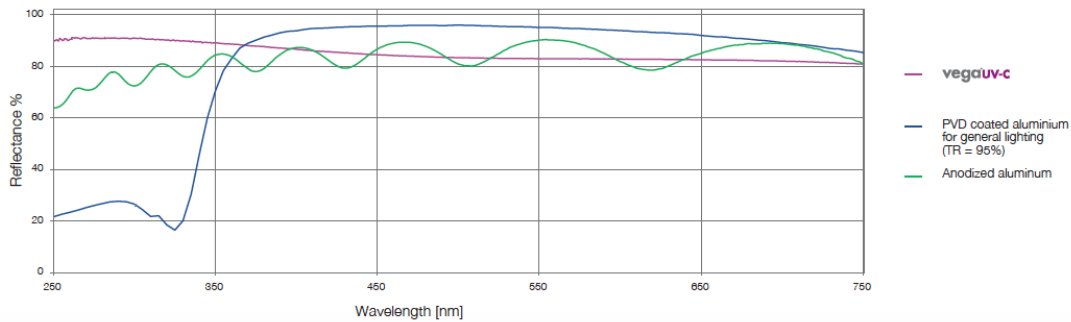
Tuned to reflect and amplify UV-C wavelengths, **vegaUV-C** reflectors boosts the irradiance (sanitizing power) by 42%.

SPECTRUM UV-C EFFECTIVENESS



Reflective Material performance when compared to other reflective material

COMPARISON REFLECTANCE SPECTRA OF DIFFERENT MATERIALS

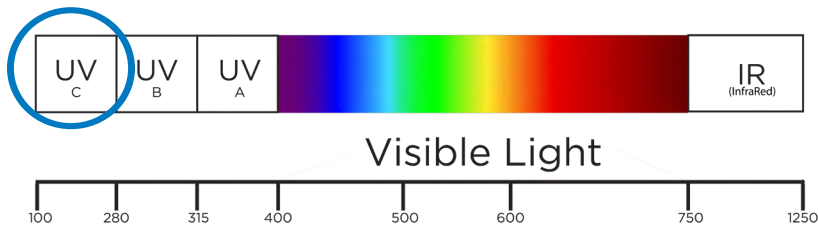
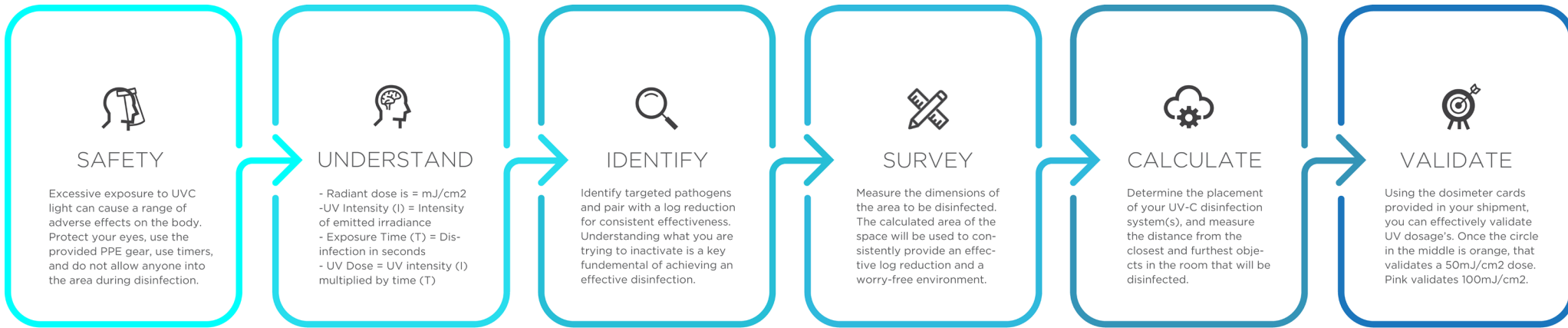


vegaUV-C specular reflector material by Almecco enables XtraLight's UV-C products to outperform other disinfection systems on the market. Our systems have increased irradiance and shorter disinfecting times.



VALIDATE

HOW TO KNOW IT WORKS



GERMICIDAL UV-C

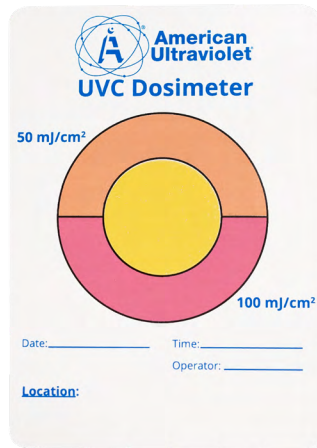
- Germicidal wavelengths range from 100 nm - 280 nm
- 254 nm inactivates viruses and kills bacteria and mold
- Proven technology
- Chemical-free
- Visit our website to read more www.xlm.com

HEALTHCARE & HOSPITALS

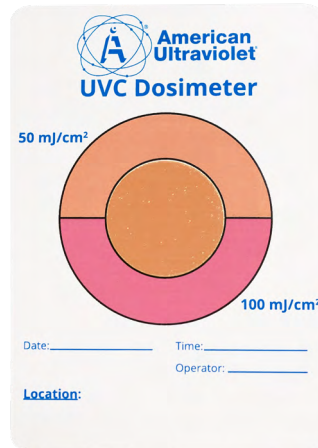
OFFICE SPACE & RETAIL

PUBLIC TRANSPORTATION

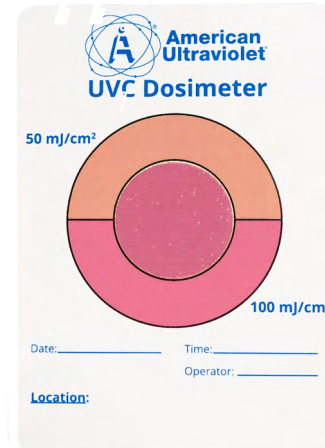
“When UV light enters a cell, it disables the cell by damaging critical nucleic acids and proteins by forming duplicate bonds called dimers. These bonds “rewrite” the genetic code of a cell rendering the organism inactive or unable to reproduce. The germicidal effects of UVC wavelengths neutralize a wide variety of pathogens.”
 -Wilkes, 2020



Yellow Center =
0 mJ/cm² dosage



Orange Center =
50 mJ/cm² dosage



Pink Center =
100 mJ/cm² dosage

Dosimeter cards are a safe and efficient validation tool used to effectively verify UV-C exposure of a surface or instrument in any environment. The technology consists of a photo-chromatic ink that changes color when it is stimulated by certain wavelengths of UV-C light.



HOTELS AND HOSPITALITY



CLEAN ROOM & FOOD PROCESSING



RECREATION & WELLNESS



XtraLight® Manufacturing, LTD designs, engineers, and manufactures LED and UV-C lighting in Houston, TX. Since 1986, we have proudly offered quality products that are made in the United States. XtraLight is known for our specification grade commercial and industrial lighting as well as developments in LED horticulture lights, sports and security lighting, and UV-C disinfection systems. We create custom tailored energy-efficient lighting solutions to suit all commercial and industrial applications. Acclaimed for our lighting expertise, innovation and genuine customer satisfaction for over 34 years. For more information on all of XtraLight's products, please visit www.XLM.com or email customerservice@XLM.com



Visit our UV-C product page by scanning the QR code or click on it

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