



UV TECHNOLOGY

ACUITY BRANDS® UV
LIGHT DISINFECTION*
PRODUCT PORTFOLIO

AcuityBrands®





WHAT IS ULTRAVIOLET LIGHT DISINFECTION* TECHNOLOGY?

Lighting professionals have an unprecedented opportunity to harness the power of UV to reduce the pathogen load¹ and help make people feel safer.

- Decades of research² and history support the use of UV light as a pathogen reduction strategy.
- UV Technology must be applied carefully to balance safety and pathogen reduction.
- There are many UV solutions to meet your treatment needs, budgets, and other requirements.



PARTNER WITH CONFIDENCE

Acuity Brands® is committed to being the leading provider of UV Light Disinfection Technology

- Science-based approaches from Acuity Brands, a lighting leader with over 100 years of lighting experience.
- Offering a diverse set of solutions for your unique requirements. Including strategies for occupied and unoccupied spaces, focused on inactivation of pathogens¹ on surfaces or in the air or a combination.
- Occupant safety is our top priority. Our carefully engineered products can meet or exceed safety guidelines when installed and used in accordance with written instructions.

BENEFITS OF WORKING WITH OUR ACUITY BRANDS® SPECIALISTS

Acuity Brands UV light disinfection technology specialists are ready to help

- Educate you on UV light disinfection technology and how to use safely.
- Work through your needs to match you with the best UV light disinfection technology for your space.
- Help create layouts and designs to incorporate UV light disinfection technology in your spaces.



3 MODERN TECHNOLOGY APPROACHES OFFERED

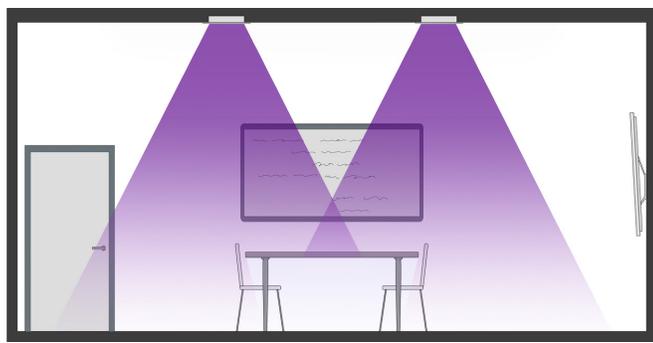
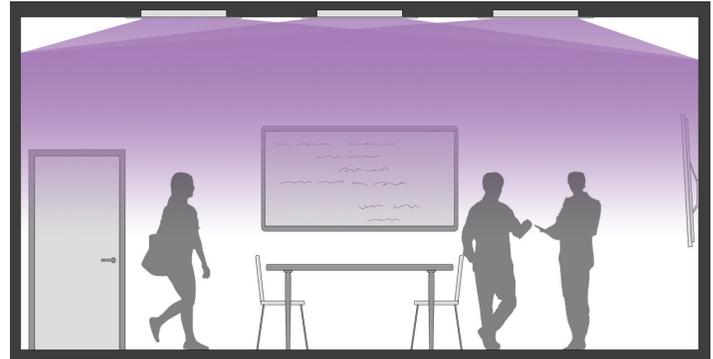


Care222® TECHNOLOGY

Filtered 222nm Far-UVC Disinfection Technology

Care222 is a continual air and surface disinfection technology solution designed to neutralize pathogens¹ with people present, while meeting safety guidelines. Utilizing 222nm wavelengths, the UV light can inactivate viruses¹ and bacteria¹ by disrupting the RNA and DNA, preventing reproduction.

[Learn More](#)



PulseX™ WITH VIOLET DEFENSE® TECHNOLOGY

Pulsed Xenon Disinfection Technology

PulseX is a pulsed xenon disinfection technology solution designed for rapid reduction of the pathogenic¹ bioburden on surfaces and in the air while a space is unoccupied. Utilizing a broad spectrum of UVA, UVB and UVC wavelengths, the UV can inactivate viruses and bacteria¹ by disrupting the RNA and DNA, preventing reproduction. Intelligent control devices are required for pulsed xenon disinfection technology. PulseX offers an onboard occupancy sensor to act as a safeguard to prevent occupants from being exposed to harmful UVC wavelengths and prevent any accidental irradiation. It's not recommended to have UV control devices networked to any form of white light controls that are already have in a space.

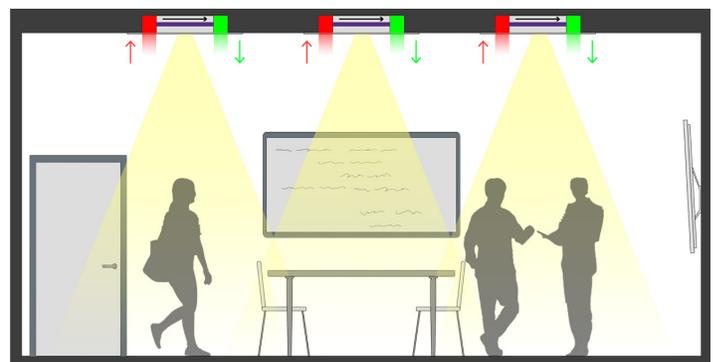
[Learn More](#)

EvōAIR UV™ WITH UV ANGEL CLEAN AIR™ TECHNOLOGY

Onboard Air Disinfection Technology

EvōAIR UV is an onboard air disinfection technology with a 254nm concealed UV chamber. Since the air chamber is sealed, there is no UV light emitted into the space when installed and used properly. The pathogen¹-contaminated air is drawn into the fixture, passes through a concealed chamber containing 254nm wavelengths which treats the air automatically and continuously, and then the treated air exits the chamber into the room.

[Learn More](#)

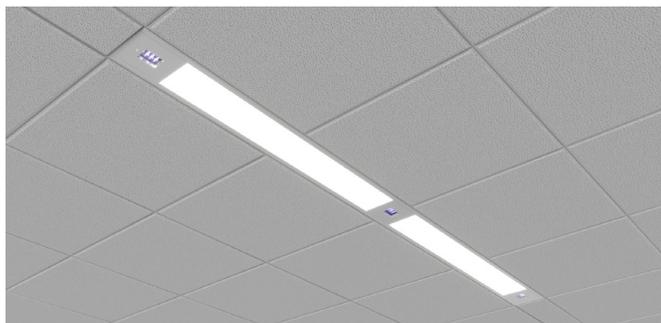


UV PRODUCT PORTFOLIO



						
Product name	PulseX™ with Violet Defense® Technology	EvöAIR UV™ with UV Angel Clean Air Technology®	HDM with Care222® Technology	BLT with Care222® Technology	EVO® with Care222® technology	WHSPR with Care222® Technology
Brand						
Form Factors	Surface Mount	Recessed Luminous or Non-Luminous panel	Pendant, Surface, Recessed	Recessed	New construction downlight, Remodel downlight, Surface mount cylinder, Pendant mount cylinder, Wall mount cylinder	Recessed Troffer
Size	1'x1' and 2'x2'	2'x4'	4" aperture; 6" and 9" pendant and surface heights	2'x2', 2'x4'	6" aperture	2'X2', 2'X4'
Technology Utilized	Pulsed Xenon Disinfection Technology	Onboard Air Disinfection Technology	Filtered 222nm Far-UVC Disinfection Technology	Filtered 222nm Far-UVC Disinfection Technology	Filtered 222nm Far-UVC Disinfection Technology	Filtered 222nm Far-UVC Disinfection Technology
UV Spectrum	Broad Spectrum	254nm	Filtered 222nm	Filtered 222nm	Filtered 222nm	Filtered 222nm
For use with occupants in the space?	No	Yes	Yes	Yes	Yes	Yes
Air or Surface?	Surface – Primary Air – Secondary	Air – Primary	Surface – Primary Air – Secondary	Surface - Primary Air - Secondary	Surface - Primary Air - Secondary	Surface - Primary Air - Secondary
Single or Dual Unit	Single & dual units available	Single unit	Single Unit	Single & dual units available	Single unit – hybrid and UV only	Single & dual units available
Suggested Applications	Ideal for spaces with intermittent occupancy, such as classrooms, patient rooms, office break rooms, surgical suites and locker rooms	Ideal for continually occupied spaces in need of supplementary pathogen reduction across surfaces and in the air, such as classrooms, locker rooms, common areas, hallways, conference rooms and offices	Ideal for continually occupied spaces in need of surface disinfection within a seamless, aesthetically-pleasing design, such as lobbies, restaurants, classrooms, and retail locations, and high-touch spaces such as kiosks, workstations, and community tables	Ideal for spaces with occupants where a lay-in with even illumination and UV disinfection* is needed. Ideal in medical waiting rooms, K-12 schools, higher-education, gyms, and really any indoor area where people will be interacting with the space and each other.	Ideal for any indoor space with occupants and high traffic areas such as but not limited to, classrooms, offices, conference rooms, medical waiting rooms, bathrooms, retail spaces, surgical and patient rooms.	Ideal for spaces with continual occupants such as offices, waiting rooms, wellness centers, K-12 schools, and higher education campuses.

UV SOLUTIONS COMING 2022



MARK

ARCHITECTURAL LIGHTING™

**SLOT 6 WITH
CARE222® TECHNOLOGY**

UV LIGHT DISINFECTION TECHNOLOGY RESOURCES



**All references to “disinfection” are referring generally to bioburden reduction and are not intended to refer to any specific definition of the term as may be used for other purposes by the U.S. Food and Drug Administration or the U.S. Environmental Protection Agency. Bioburden reduction of is a function of fixture run time and the distance to the UV light source, airflow, room size, shadow areas and/or other factors, and the level of reduction will vary within a specific space. This fixture is not intended for use in the cure, mitigation or prevention of disease and is not certified or approved for use as a medical device by the FDA. It is the obligation of the end-user to consult with appropriately qualified Professional Engineer(s), a Certified Infection Control professional and a Certified Industrial Hygienist, as applicable, to determine whether this fixture meets the applicable requirements for system performance, code compliance, safety (including safety and hazard alerting signs), suitability and effectiveness for use in a particular application design. In no event will Acuity Brands® be responsible for any loss resulting from any use of this fixture in an application design.*

¹ Refer to product specification sheets at [acuitybrands.com/UV-Products](https://www.acuitybrands.com/UV-Products) for efficacy claims and claim substantiation regarding specific products and pathogens.

² See [Acuity Brands UV Published Research](#)

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Care222® is a registered trademark of Ushio America, Inc.

UV Angel Clean Air™ is a trademark of UV Partners, Inc.

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