DIRECT SUPPLY

Far-UVC

The Low-Maintenance Disinfection Solution

- Safe for eyes & skin*
- Efficient & effective
- No mess
- No worries

Find it at **DirectSupply.net** | search: **Far-UVC**

DIRECT SUPPLY™

Save time with far-UVC: a set it and forget it disinfection solution using ultraviolet lights, which have been shown to be safe for skin and eyes*, to deactivate common pathogens.

How is far-UVC different from UV-C?

The Purescape® Far-UVC disinfection lights use ultraviolet lights filtered to the 222nm wavelength to deactivate common pathogens including SARS-CoV-2, MRSA, e-coli, salmonella, influenza-A, c-diff & more.

Unlike traditional UV-C, far-UVC can operate while humans are in the room, enabling mass-decontamination without needing to evacuate the room first.

**The Direct Supply Purescape® products can be safely used in unoccupied and occupied spaces without posing a health risk to humans when used within the current exposure limits recommended by the American Conference of Governmental Industrial Hygienists (ACGIH®) or the requirements of ANSI/IES RP27.1-22.*

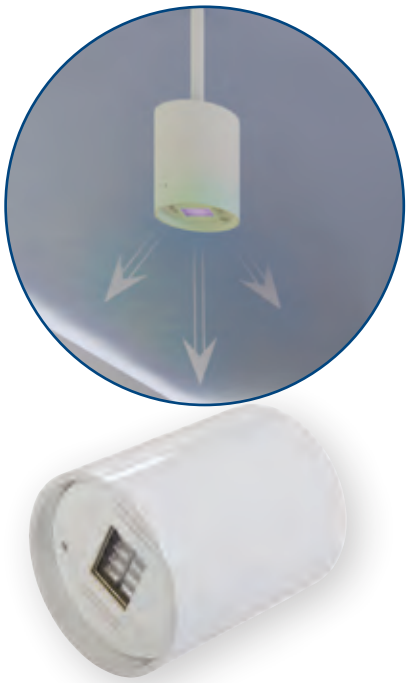
Far-UVC runs continuously in the background as your no-mess, no-touch disinfection solution.

When new families tour our facilities and ask what makes us different, we are able to demonstrate that we go the extra mile with ***our Far UVC technology that reduces the risk of airborne illness.***

Socialization and safety are the two biggest concerns for families that are choosing a residential care facility for their loved ones. Because of our commitment to the highest standards of care and our implementation of cutting-edge technology like Far UV-C, we are ***creating an environment where our residents can safely socialize which is so critical to their emotional and physical well-being.***

– Beth Van Elswyk, Director of Sales & Outreach, Suzanne Elise Assisted Living

Wall Mount Lights



Pendant Lights

Ceiling Can Lights

Set it and forget it

Supplement your existing UV-C towers with cost-effective, home-like light fixtures that you don't have to lug around.

Pathogen Defense

Combining the Far UV-C lamp with the short pass filter removes harmful UV wavelengths, leaving the lamp with a band of 222nm UV light.

- ✔ Inactivates up to 99.9% of common pathogens in the air and on surfaces, including SARS-CoV-2, MRSA, e-coli, salmonella, influenza A, c-diff, and more
- ✔ 10,000 hours of continuous sanitation – all controlled by a free downloaded app

Effective decontamination

By using 222nm UV light, far-UVC operates within the ACGIH® guidelines, allowing you to safely and conveniently operate the lights in the background*

- ✔ Safe for eyes and skin*
- ✔ 4 "set-it-and-forget-it" lighting options
- ✔ Continuous disinfection of surfaces & air
- ✔ 110 degree irradiation pattern to decontaminate large areas

Easy installation

Far-UVC doesn't require any external controls or startup commissioning, making it an ideal solution for existing and new construction alike.

- ✔ Flexible & easily mounted to drywall or drop ceilings
- ✔ Options available for new and retrofit applications
- ✔ Custom removable lens uses no replacement hardware
- ✔ Changing lamps is simple
- ✔ Mounting heights range from 9 ft. to 15 ft.
- ✔ Easy set-up guided by downloaded app

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Direct Supply® Purescape™ Far-UVC Lights Efficacy

Domain	Species		Methods[1-7] 222nm	254nm	70% ethanol	405nm
Bacteria	MRSA (Methicillin-Resistant Staphylococcus aureus)		+++	+++	+++	+
	Pseudomonas aeruginosa		+++	+++	+++	+
	Escherichia. coli 0157		+++	+++	+++	+
	Salmonella Typhimurium		+++	+++	+++	+
	Campylobacter Jejuni		+++	+++	N.D.	+
	Bacillus cereus	Vegetative cell	+++	+++	++	+
		Spore	+++	++	—	—
	Bacillus subtilis	Vegetative cell	+++	+++	N.D.	+
		Spore	+++	++	N.D.	—
	Clostrium difficile	Spore	+++	++	—	—
Molds and Yeasts	Candida albicans		+++	+++	+++	+
	Penichillium expansum		+++	+++	N.D.	+
	Aspergillus niger	Vegetative cell	+	+	+++	+
		Spore	+	+	N.D.	—
Virus	MS2		+++	+++	N.D.	—
	Feline Calicivirus		+++	+++	—	—
	Influenza A		+++	+++	N.D.	—
	SARSC- oV2-		+++	+++	N.D.	—

Table X, Inactivation effect of 222-nm, 254 nm UVC irradiation and 70% ethanol on the various species. Dose of UVC radiation to achieve 3-log reduction of the species is grouped as follows.<50 mJ/cm2: +++, ~100 mJ/cm2: ++, ~1000 mJ/cm2: +, >1000 mJ/cm2: -. Treatment time with 70% ethanol to achieve 3-log reduction of the species is grouped as follows. <10 sec: +++, ~20 sec: ++, ~30 sec: +, >30 sec: -. N.D. means no data. The data shown in green were studied and provided by Ushio Inc.

Pathogen references:

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7. Welch, etal., Sci. Rep. 8, 2752 (2018). Buonanno. etal., Sci. Rep.10, 10285 (2020).

Human safety references:

[1] Buonanno, Manuela; Ponnaiya, Brian; Welch, David; Stanislauskas, Milda; Randers-Pehrson, Gerhard; Smilenov, Lubomir; Lowy, Franklin D.; Owens, David M.; Brenner, David J .. Germicidal Efficacy and Mammalian Skin Safety of 222nm UV Light. Radiation Research. 2017 April; 187(4): 483-491.

[2] Ushio Inc. Internal Data

[3] Kolozsvari, Lajos; N6gradi, Antal; Hopp, Bela; Bor, Zsolt. UV Absorbance of the Human Cornea in the 240- to 400-nm Range. Investigative Ophthalmology & V isual Science July 2002, Vol.43, 2165-2168.

Make the change to far-UVC

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