

# UVC LIGHTS PROTECT FROM PATHOGEN SPREAD

## WHAT'S HIDING IN YOUR FACILITIES?

The air and surfaces in high-traffic spaces notoriously harbor viruses, mold and bacteria. Rigorous facility-wide disinfection is required to prevent the accumulation and spread of disease-causing pathogens.



**VIRUSES** From colds to the flu to COVID-19, viruses evolve quickly making treatment after infection difficult.



**MOLD** Airborne mold spores produce allergens that can trigger allergies, asthma, migraines, and respiratory issues.



**BACTERIA** Bacteria like *Staphylococcus aureus*, present on 12.5% of facility floors and 8% of desks, can cause critical anti-biotic resistant infections.

## HOW CLEAN IS CLEAN?



Cold and flu viruses can live on surfaces anywhere from a few seconds to a 48 hours.



Researchers say Coronavirus can live on surfaces for at least 1-3 days.



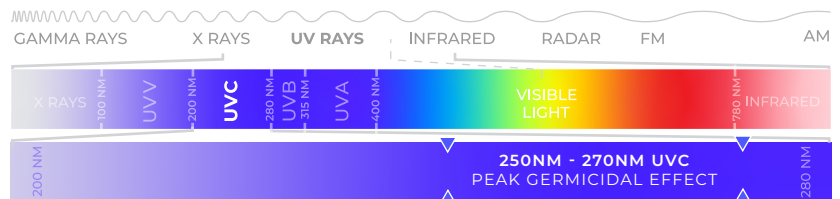
Some bacteria such as *S. pyogenes* (strep throat) can live on surfaces for months.

## THE UVC SOLUTION

With near-certain resurgences of COVID-19 and the threat of further epidemics, fighting pathogens in public spaces is critical. With high-traffic facilities in mind, Pure UVC has harnessed a science-backed UVC light system that disinfects contact surfaces and airborne pathogens.

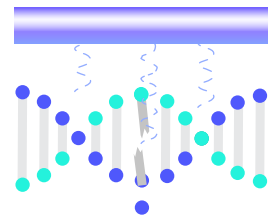
### WHAT IS UVC?

Invisible to the human eye, ultra-violet (UV) light is a bandwidth of the electromagnetic spectrum (wavelengths 10 nm to 400 nm). Within UV is a segment called UVC, known for its germicidal capabilities.



### HOW UVC DISINFECTS

When biological organisms are exposed to UVC light (200 - 280nm), their DNA and RNA are ruptured and rendered inactive. Cells become inert and cannot replicate, and thus cannot infect. This process can take from 30 seconds to 30 minutes, depending on light source intensity.



*What makes UVC unique? It is germicidal, anti-viral, and sporicidal.*

## WHERE IS UVC USED?

For over 100 years, UVC disinfection has been used in hospitals, food processing, labs, public transportation, and water treatment. Due to a need for reliable disinfection, UVC technology in high-traffic facilities will become part of the new standard for health and safety. Pure UVC is proud to offer a permanently installed solution that guarantees effectiveness and safety.

To learn more, please contact  
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## THE BENEFITS OF UVC

**Efficacy:** Destroys up to 99.99% of airborne and surface pathogens.

**Safety:** Highly controlled systems guarantee operation exclusively in unoccupied rooms, without chemical residue or odor.

**Facility-Friendly:** Allows for daily comprehensive disinfection (impossible through manual alternatives).

**Future-Proof:** Effective against pathogens like COVID-19, future threats, and antibiotic-resistant superbugs.

**Less Waste:** No need for disposable packaging or materials used in manual disinfection.

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