

Fighter Mini LED

PURO[®]
UV Disinfection Lighting

Utilizing the Power of UVC LEDs for Safer, Healthier Environments

UVC light has been recognized for over 100 years for its powerful germicidal properties. By incorporating this technology into ice machines, PURO Lighting presents a transformative solution for ensuring the purity of ice used in healthcare settings. For the first time you can do this with UVC LEDs which offer an environmentally-friendly, mercury-free alternative to traditional UVC lamps—combining energy efficiency, longer lifespan, and compact design for versatile and reliable disinfection applications in healthcare.

Key Benefits



Infection Prevention

- Bacteria & Virus Elimination: UVC light is proven to eliminate up to 99.9% of common pathogens, including those responsible for hospital-acquired infections.
- Molds & Fungi Mitigation: Prevents the growth of molds and fungi, ensuring ice storage compartments remain uncontaminated.



Reduced Maintenance Costs

- Less Frequent Cleaning: UVC technology reduces the need for regular manual cleanings, resulting in decreased labor costs.
- UVC LEDs: UVC LED Technology will last longer than mercury vapor solutions, up to 20,000 hours, especially in cold environments.
- Extended Machine Life: Prevents buildup of organic material, ensuring smoother operations and a longer lifespan of the machine.



Enhanced Patient Safety

- Pure Ice: Patients receive ice free from potential contaminants, particularly important for immunocompromised individuals.
- Compliance: Helps facilities maintain compliance with health and safety regulations, ensuring the highest standard of patient care.



Operational Efficiency

- Decreased Downtime: Regular ice machine maintenance can cause interruptions. UVC technology reduces these occurrences, ensuring uninterrupted ice supply.
- UVC LEDs: UVC LED Bars do not contain any glass, so there is no risk of breakage within the ice machines.
- Energy Savings: Less organic buildup translates to more efficient machine operations, consuming less energy and reducing utility costs.



Environmental Impact

- Reduced Chemical Use: UVC disinfection reduces the reliance on chemical disinfectants, promoting a greener, more sustainable environment.
- UVC LEDs: UVC LED Technology does not use any mercury in its design unlike traditional UVC lamps.



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Applications in Healthcare



Patient Care

Ensures patients have access to pure ice, reducing risks of secondary infections.



Laboratories

Provides uncontaminated ice for sensitive experiments and specimen storage.



Food Service

Elevates the standard of food and drink preparation within the healthcare facility.

Prioritizing People

The integration of LED UVC technology in ice machines in healthcare environments stands as a testament to the industry's commitment to patient safety, operational excellence, and environmental sustainability. Protecting patients, staff, and visitors alike, UVC LED-enhanced ice machines set the gold standard for cleanliness and purity in ice production.



The Fighter Mini LED

Powerful disinfection, perfect for any ice machine



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