pluie
changing the table

UV-C Light System
Safety and Certifications

Truly Innovative

Powered by a patented UV-C light system

Two UV-C light bulbs placed behind a child-protection panel are designed to sanitize the diaper changing surface within a minute.

The world's first and only self-sanitizing diaper changing table

For the first time in decades, the diaper changing table finally received an upgrade. Meet Pluie. The **world's first self-sanitizing diaper changing table** for public restrooms. Pluie brings innovation to a decades-old problem: changing tables are outdated, dirty and uncomfortable.

Pluie's table is powered by a patent protected UV-C **light system. UV-C light is known to kill 99.9% of germs, bacteria, and viruses including E. Coli,** Influenza and Coronavirus. It is the same UV-C light technology that is widely used today in hospitals to sterilize patient room surfaces.

The Pluie Changing Table has been tested by an independent third-party accredited testing company, Intertek, to ensure the quality and safety of our product. Pluie meets all of the ASTM, CPSIA, and FCC requirements.

Specifically, our product has been tested to ensure it meets all performance and safety specifications for children's products and UV-C light products. Pluie exerts zero light to consumers (as concluded in the photobiological exposure test). Pluie's microbial efficacy rating shows a three log reduction within one minute.

FAQs

What is UV-C Light?

UV-C light is germicidal – i.e., it deactivates the DNA of bacteria, virus and other pathogens and thus destroys their ability to multiply and cause disease. Pluie uses a 254 nanometer UV light which is ideal to eradicate germs, triggering a photochemical reaction that damages their DNA. UV-C light is widely used today in hospitals to sterilize patient room surfaces.

How does Pluie's UV-C light system work?

When the table is closed the UV-C light system is triggered to turn on automatically. The sanitization cycle lasts for 60 seconds and then automatically shuts off. Within 60 seconds Pluie's surface is sanitized.

Has Pluie been independently tested?

Yes, The Pluie Changing Table has been tested by an independent third-party that's an accredited testing company to ensure the quality and safety of our product. Pluie meets all of the ASTM, CPSIA, and FCC requirements. Specifically, our product has been tested to ensure it meets all performance and safety specifications for children's products and UV-C light products.

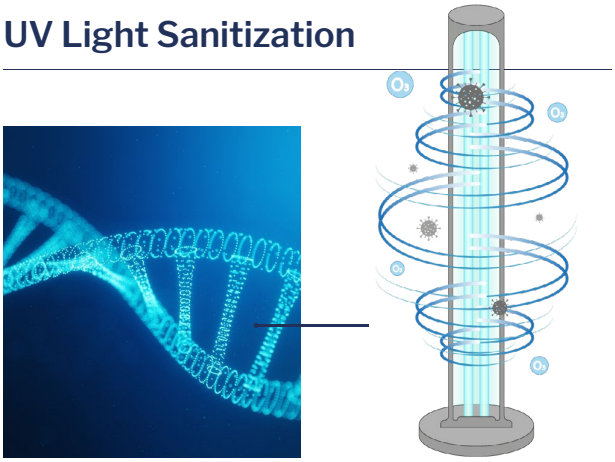
Will anyone be exposed to UV-C light?

No, the UV-C light bulbs will turn off as soon as the sanitization cycle is complete and any time the changing table is opened. Pluie was placed in the exempt category during a photobiological exposure test conducted by Intertek.

How long does the UV-C light system last and is maintenance required?

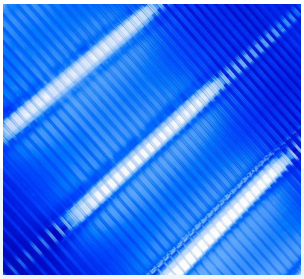
Pluie's UV-C bulbs last 8,000 hours and our sanitization cycle is only 1 minute. Pluie is protected and supported by a 5 year warranty program and there is no maintenance required for the bulbs.

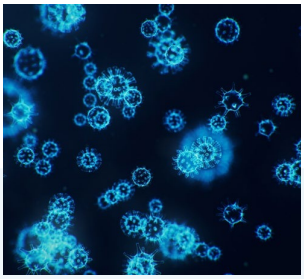
UV Light Sanitization



254 Nanometer UV Light is ideal to eradicate germs, triggering a photochemical reaction that damages their DNA. UV-C light is widely used today in hospitals to sterilize patient room surfaces.

When UV Light is absorbed, it breaks the DNA's chemical bonds and kills the bacteria or virus.





Did you know?

"UV-C light is one of 4 different wavelengths of ultraviolet light. UV-C has the shortest wavelength and is the most powerful at killing viruses and bacteria. The ozone layer does not allow UV-C light to reach the earth's surface. Therefore, organisms have never been exposed to this form of UV light and they have no resistance to it. That is why they quickly die when exposed to artificial UV-C light sources."

Business Insider