

UV Light Disinfection Market to Reach \$6.97 Billion by 2029 with 9.2% CAGR

The Business Research Company's UV Light Disinfection Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- What Is The [UV Light Disinfection Market](#) Size And Growth?

The dimension of the uv light disinfection market has been witnessing significant growth in the past years, expanding from a value of \$4.5 billion in 2024 to an anticipated value of \$4.9 billion in 2025. The market is expected to grow at a compound annual growth rate (CAGR) of 8.9%.



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Historical growth trends illustrate that this surge is due to a higher demand for portable UV sanitizers, amplified usage in HVAC systems, multi-channel adoption strategies, and a heightened demand for non-chemical disinfection methods due to environmental considerations.

The market for UV light disinfection is anticipated to experience robust growth in the coming years. The market is projected to expand to \$6.97 billion by 2029, growing at a compound annual growth rate (CAGR) of 9.2%. The growth expected in the forecast period is due to increased awareness about waterborne infections, attention towards

secure food and beverage processing, the surge in healthcare-related infections, escalating demand for reliable and eco-friendly disinfection solutions, and the increasing necessity for improved air and water quality. Key trends expected to influence the market during the forecast period are developed control and monitoring, combination with other disinfection approaches, the application of UV-c LED technology, UV dosage modeling and optimization, and the application of UV-robot technology.

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What Are The Current Leading Growth Drivers For UV Light Disinfection Market?

The UV light disinfection market is poised for growth, spurred on by the increasing incidence of healthcare-associated infections (HAIs). HAIs, preventable infections induced by a variety of pathogens like bacteria, viruses, and fungi, can be contracted by patients while receiving medical attention in health establishments. Several factors are causing an uptick in these infections, such as antibiotic resistance, invasive medical procedures, extended hospital stays, patients with compromised immunity, and insufficient infection control precautions. UV light disinfection serves as an effective solution to mitigate bacteria in HAIs, minimizing the susceptibility to illness for both patients and healthcare practitioners via its broad-spectrum antimicrobial ability, swift disinfection procedures, and absence of chemical techniques. For example, the European Centre for Disease Prevention and Control, a government agency in Sweden, predicted in 2024 that over 3.5 million HAIs would occur annually, leading to 90 thousand fatalities and surpassing the combined toll of other infections such as influenza and tuberculosis. This underscores the significant threat posed by HAIs to public health, propelling the demand for UV light disinfection in the market.

Which Companies Are Currently Leading In The UV Light Disinfection Market?

Major players in the UV Light Disinfection include:

- General Electric Company
- Heraeus Holding GmbH
- Philips Lighting
- SUEZ Water Technologies and Solutions
- Xylem Water Solutions India Private Limited
- Halma Limited
- Evoqua Water Technologies India Private Limited
- Trojan Technologies Inc.
- Calgon Carbon Corporation
- PurLite Inc.

What Are The Main Trends, Positively Impacting The Growth Of UV Light Disinfection Market?

In the UV light disinfection market, major corporations are emphasizing the advancement of innovative technologies like UVC disinfectors to improve both efficacy and safety. They are also initiating clinical trials to confirm the potency of their technologies across a range of industries. UVC disinfectors utilize ultraviolet C light for the neutralization or killing of microorganisms, thereby enhancing cleanliness in diverse settings. For example, in July 2023, Nuvonic, an international innovator from the UK providing UV-based solutions for disinfecting water, surface, and air globally, unveiled the UVpro FMT (flange module tank). Nuvonic's UVpro FMT ensures effective disinfection without the use of chemicals, thanks to UVC technology, thereby maintaining high sanitation levels in pharmaceutical and food storage tanks. The ease of installation and energy conservation make this device a highly adaptable solution for crucial environments.

How Is The UV Light Disinfection Market Segmented?

The uv light disinfection market covered in this report is segmented –

- 1) By Type: Ordinary Cathode Low Pressure Mercury UV Disinfection, High-Intensity Ultraviolet Disinfection, Ozone UV Disinfection
- 2) By Application: Drinking Water And Wastewater, Air And Surface, Food Processing
- 3) By End Use: Residential, Commercial, Industrial

Subsegments:

- 1) By Ordinary Cathode Low Pressure Mercury Uv Disinfection: Low Pressure Mercury Uv Lamps, Germicidal Low Pressure Mercury Lamps, Uv-C Germicidal Systems Using Low Pressure Mercury, Uv-C Sterilization Systems (For Water, Air, And Surface Disinfection)
- 2) By High-Intensity Ultraviolet Disinfection: Medium Pressure Mercury Uv Systems, Pulsed Xenon Uv Systems, High-Intensity Uv-C Lamps For Water Treatment, High-Intensity Uv Systems For Air Purification, High-Intensity Uv For Surface Disinfection
- 3) By Ozone Uv Disinfection: Ozone Uv Systems For Water Treatment, Ozone Generation Units With Uv For Air Purification, Ozone Uv For Wastewater Treatment, Ozone Uv For Food And Beverage Processing

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<https://www.thebusinessresearchcompany.com/report/uv-light-disinfection-global-market-report>

Which Is The Dominating Region For The UV Light Disinfection Market?

In 2024, North America dominated the UV light disinfection market and is projected to experience substantial growth. The report covers numerous regions: Asia-Pacific, Western Europe, Eastern Europe, South America, the Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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