

# Global UVC LED and Chips Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global UVC LED and Chips market size was valued at USD 398.2 million in 2023 and is forecast to a readjusted size of USD 4040.1 million by 2030 with a CAGR of 39.2% during review period.

UVC LEDs. Ultraviolet (UV) LEDs have applications in the field of water treatment, optical data storage, communications, biological agent detection and polymer curing. The UVC region of the UV spectral range refers to wavelengths between 100 nm to 280 nm.

A variety of scientists and groups have suggested wide-ranging prospects for germicidal UV-C light (which occupies the 200-to-280-nm wavelength band) as part of the solution to the COVID-19 crisis. These range from visions of installing UV-C lamps in office air ducts to scrub coronavirus from them, to low-cost systems designed to sterilize reusable personal protective equipment, such as N95 masks. (One such project, which is making designs for low-cost, easily assembled UV sterilization cabinets available in low-income countries, is partly supported by the OSA Foundation, the charitable arm of The Optical Society, OPN's publisher.)

In contrast, another technology leader, the Seoul Viosys arm of Seoul Semiconductor, has stuck with the business, and even had an initial public offering in late February 2020, as the pandemic and UV-C's germicidal potential were gaining worldwide attention—showing

Water/Air Disinfection application led the market and accounted for 51.94% of the global share in 2019 on account of the increasing demand in water and wastewater treatment

plants. The growing traction for proper disinfectant technologies along with increasing concerns for hygiene and safety, especially in the healthcare and food & beverage industries, is likely to drive demand.

Asia Pacific led the market and accounted for over 46.31% of the global revenue in 2019.

The Global Info Research report includes an overview of the development of the UVC LED and Chips industry chain, the market status of Water/Air Disinfection (Below 10 mw, 10-30 mw), Biosensing (Below 10 mw, 10-30 mw), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of UVC LED and Chips.

Regionally, the report analyzes the UVC LED and Chips markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global UVC LED and Chips market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the UVC LED and Chips market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the UVC LED and Chips industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Below 10 mw, 10-30 mw).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the UVC LED and Chips market.

**Regional Analysis:** The report involves examining the UVC LED and Chips market at a regional or national level. Report analyses regional factors such as government

incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the UVC LED and Chips market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to UVC LED and Chips:

**Company Analysis:** Report covers individual UVC LED and Chips manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards UVC LED and Chips. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Water/Air Disinfection, Biosensing).

**Technology Analysis:** Report covers specific technologies relevant to UVC LED and Chips. It assesses the current state, advancements, and potential future developments in UVC LED and Chips areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the UVC LED and Chips market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

UVC LED and Chips market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

## Market segment by Type

Below 10 mw

10-30 mw

Above 30 mw

#### Market segment by Application

Water/Air Disinfection

Biosensing

Medical

Others

#### Major players covered

Seoul Viosys

NIKKISO

Nitride Semiconductors Co.,Ltd

Crystal IS

Stanley

Qingdao Jason Electric

Rayvio

Advanced Optoelectronic Technology Inc

NATIONSTAR

LITE-ON

San'an Optoelectronics

Lextar

HPL

DUVTEK

Nichia

Photon Wave Co

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe UVC LED and Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of UVC LED and Chips, with price, sales, revenue and global market share of UVC LED and Chips from 2019 to 2024.

Chapter 3, the UVC LED and Chips competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the UVC LED and Chips breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and UVC LED and Chips market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of UVC LED and Chips.

Chapter 14 and 15, to describe UVC LED and Chips sales channel, distributors, customers, research findings and conclusion.

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