

Global UVC LED and Chips Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global UVC LED and Chips market size was valued at US\$ 847 million in 2024 and is forecast to a readjusted size of USD 8741 million by 2031 with a CAGR of 40.0% 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.

This report is a detailed and comprehensive analysis for global UVC LED and Chips market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global UVC LED and Chips market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global UVC LED and Chips market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global UVC LED and Chips market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global UVC LED and Chips market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for UVC LED and Chips
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global UVC LED and Chips market based on the

following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Seoul Viosys, NIKKISO, Nitride Semiconductors Co.,Ltd, Crystal IS, Stanley, Qingdao Jason Electric, Rayvio, Advanced Optoelectronic Technology Inc, NATIONSTAR, LITE-ON, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

UVC LED and Chips market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

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 quantity, revenue, and global market share of UVC LED and Chips from 2020 to 2025.

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 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and UVC LED and Chips market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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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