

Global UV-C LED Market Size study, by Application (Water/Air Disinfection, Sterilization, Healthcare, Industrial, Sensing, and Others), and Regional Forecasts 2021-2027

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Abstracts

Global UV-C LED market is valued approximately at USD xx billion in 2020 and is anticipated to grow with a healthy growth rate of about xx% over the forecast period 2021-2027. UV-C LED refers to a light emitting diode device which emits UV (ultraviolet) light in the range of 100 - 280 nm wavelength. Such devices provide significant advantages over customarily used mercury lights as these are free of hazardous material, possess lower heat utilization, are capable to turn on and off momentarily without cycling limit, have greater toughness and directed heat extraction, etc. The global UV-C LED market is being driven by surge in adoption for water purification and growth in the utilization of UV curing systems. UV-C LEDs can also be integrated easily with a range of home appliances such as air purifiers, air conditioners, washing machines and others. Such integration with home appliances and consumer products will provide new opportunities for the global UV-C LED industry. UV-C LED technology is being widely used in water disinfection and purification and with increase in the demand for water and wastewater treatment, the market is expected to witness a positive impact. As per Statista, the water and wastewater treatment market size across the globe is expected to increase from USD 263.07 billion in 2020 to approximately USD 465.23 billion by 2028. This is likely to increase the demand and adoption of UV-C LEDs for water disinfection and purification and is expected to boost the market growth. However, thermal management of UV-C LED is a major challenge which may impede market growth over the forecast period of 2021-2027.

The regional analysis of the global UV-C LED market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World.

Asia Pacific accounts for the largest share in terms of market revenue in the global UV-C LED market over the forecast period 2021-2027. Factors such as increasing awareness regarding disinfection methods using UV-C LEDs, technological advancements in manufacturing sector, government support such as incentives including subsidies, tax benefits, and others to adopt UV-C LEDs, etc. contribute towards the largest market share of the region. However, North America is expected to register the fastest growth rate in the forecast years. Factors such as technological advancements and product developments, increasing adoption for water purification, etc. contribute towards the fastest growth of North American region in the global market.

Major market player included in this report are:

AMS Osram
Asahi Kasei Corp. (Crystal IS, Inc.)
Convergever Inc., Ltd.
Dowa Holdings Co., Ltd.
Harvatek Corporation
Heraeus Holding GmbH
High Power Lighting Corp. (HPL)
IBT Group (IVY Bridge Technology Co., Ltd)
International Light Technologies, Inc.
Irtronix, Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Water/Air Disinfection
Sterilization
Healthcare
Industrial
Sensing
Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global UV-C LED Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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