

Global High Voltage Light Emitting Diode (HV LED) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G3D5D11AC684EN.html>

Date: March 2023

Pages: 117

Price: US\$ 3,480.00 (Single User License)

ID: G3D5D11AC684EN

Abstracts

According to our (Global Info Research) latest study, the global High Voltage Light Emitting Diode (HV LED) market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

HVLED is a type of Light Emitting Diode (LED) that is designed to operate at high voltages, typically in the range of 100-400 volts. This is in contrast to traditional LEDs that typically operate at lower voltages in the range of 1-5 volts.

HVLEDs are designed to provide high brightness and efficiency, making them suitable for a wide range of applications, such as lighting and backlighting, signage, automotive, and general illumination.

One of the key advantages of HVLEDs is their ability to operate at higher voltages, which allows them to be connected directly to the AC mains supply, eliminating the need for additional power conversion circuitry. This can simplify the design of LED lighting systems and reduce costs.

However, due to the higher voltages involved, special care needs to be taken to ensure that HVLEDs are used safely and that proper isolation and protection are provided to prevent electric shock or other hazards.

Overall, HVLEDs are an important technology in the field of LED lighting and offer significant advantages in terms of efficiency, brightness, and cost-effectiveness.

This report is a detailed and comprehensive analysis for global High Voltage Light Emitting Diode (HV LED) 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 2023, are provided.

Key Features:

Global High Voltage Light Emitting Diode (HV LED) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global High Voltage Light Emitting Diode (HV LED) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global High Voltage Light Emitting Diode (HV LED) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global High Voltage Light Emitting Diode (HV LED) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

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 High Voltage Light Emitting Diode (HV LED)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global High Voltage Light Emitting Diode (HV LED) market based on the following parameters - company overview, production, value,

price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Seoul Semiconductor, Samsung, Cree, Lumileds Holding and Nichia Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

High Voltage Light Emitting Diode (HV LED) market is split by Type and by Application. For the period 2018-2029, 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

AC-Driven

DC-Driven

Market segment by Application

Medical

Transportation

Architecture

Consumer Electronics

Others

Major players covered

Seoul Semiconductor

Samsung

Cree

Lumileds Holding

Nichia Corporation

OSRAM Opto Semiconductors

Dean Technology

LG Innotek

Toyoda

Stanley Electric

Everlight Electronics

Vishay Intertechnology

Bridgelux

SemiLEDs

STMicroelectronics

Taiming Optoelectronics Technology

Epistar

Guangdong Klonda

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 High Voltage Light Emitting Diode (HV LED) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Voltage Light Emitting Diode (HV LED), with price, sales, revenue and global market share of High Voltage Light Emitting Diode (HV LED) from 2018 to 2023.

Chapter 3, the High Voltage Light Emitting Diode (HV LED) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High Voltage Light Emitting Diode (HV LED) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and High Voltage Light Emitting Diode (HV LED) market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of High Voltage

Light Emitting Diode (HV LED).

Chapter 14 and 15, to describe High Voltage Light Emitting Diode (HV LED) sales channel, distributors, customers, research findings and conclusion.

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