

Global LED 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 LED Chips market size was valued at USD 4525.9 million in 2023 and is forecast to a readjusted size of USD 6690.2 million by 2030 with a CAGR of 5.7% during review period.

Light Emitting Diode (LED) is a solid-state semiconductor devices, which can convert the energy from an electric current into light. Led chip is a core component of LED, referring to the PN junction.

China is the largest LED Chips market with about 24% market share.

The key players are Nichia, Philips Lumileds, Cree, Toyoda Gosei, OSRAM, Epistar, Tyntek, Genesis Photonics, Lextar, Formosa Epitaxy, OPTO-TECH, Seoul Semiconductor, Samsung, LG Innotek, San'an Opto, Changelight, Aucksun, ETI, Lattice Power, Tong Fang, HC SemiTek etc. Top 3 companies occupied about 28% market share.

The Global Info Research report includes an overview of the development of the LED Chips industry chain, the market status of Automotive (Lateral Chip LED, Vertical Chip LED), Backlight Sources (Lateral Chip LED, Vertical Chip LED), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of LED Chips.

Regionally, the report analyzes the LED 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 LED Chips market, with robust domestic demand, supportive policies, and a strong

manufacturing base.

Key Features:

The report presents comprehensive understanding of the LED 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 LED 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 Sq.In.), revenue generated, and market share of different by Type (e.g., Lateral Chip LED, Vertical Chip LED).

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 LED Chips market.

Regional Analysis: The report involves examining the LED 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 LED 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 LED Chips:

Company Analysis: Report covers individual LED 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 LED Chips This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Backlight Sources).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the LED 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

LED 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

Lateral Chip LED

Vertical Chip LED

Flip Chip LED

Market segment by Application

Automotive

Backlight Sources

Display Screen

Signage

General Lighting

Others

Major players covered

Nichia

Philips Lumileds

Cree

Toyoda Gosei

OSRAM

Epistar

Tyntek

Genesis Photonics

Lextar

Formosa Epitaxy

OPTO-TECH

Seoul Semiconductor

Samsung

LG Innotek

San'an Opto

Changelight

Aucksun

ETI

Lattice Power

Tong Fang

HC SemiTek

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 LED Chips product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the LED 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 LED 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 LED Chips.

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

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