

# **Global Vertical LED Chip Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029**

<https://marketpublishers.com/r/G071B9A2E802EN.html>

Date: August 2023

Pages: 120

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

ID: G071B9A2E802EN

## **Abstracts**

According to our (Global Info Research) latest study, the global Vertical LED Chip market size was valued at USD 2002.3 million in 2022 and is forecast to a readjusted size of USD 2581.1 million by 2029 with a CAGR of 3.7% during review period.

A vertical LED chip's only emitting surface is on the top of the chip, thus it has a narrower light emitting angle with more light on axis and higher on-axis intensity. The vertical die has lower thermal resistance and the vertical structure transfers heat more efficiently for better dissipation. Many standard flip-chip LEDs cannot support a high current density due to the limitations of horizontal current flow, but the vertical chip can tolerate a higher current intensity—a higher driving current. This means it can deliver higher flux per LED and higher lumen density, or “chip luminance” (the nits of the chip).

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

Regionally, the report analyzes the Vertical LED Chip 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 Vertical LED Chip market, with robust domestic demand, supportive policies, and a strong manufacturing base.

**Key Features:**

The report presents comprehensive understanding of the Vertical LED Chip 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 Vertical LED Chip 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., SMD, COB).

**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 Vertical LED Chip market.

**Regional Analysis:** The report involves examining the Vertical LED Chip 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 Vertical LED Chip market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Vertical LED Chip:

**Company Analysis:** Report covers individual Vertical LED Chip 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 Vertical LED Chip This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (General Lighting, Automotive Lighting).

**Technology Analysis:** Report covers specific technologies relevant to Vertical LED Chip.

It assesses the current state, advancements, and potential future developments in Vertical LED Chip areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Vertical LED Chip 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

Vertical LED Chip 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.

#### Market segment by Type

SMD

COB

#### Market segment by Application

General Lighting

Automotive Lighting

Backlighting

Others

#### Major players covered

Epistar

San'an Opto

Cree

OSRAM

Samsung

Toyoda Gosei

Seoul Semiconductor

Philips Lumileds

ETI

LG Innotek

NiChia

HC SemiTek

Lextar

Lattice Power

OPTO-TECH

Tyntek

Genesis Photonics

Formosa Epitaxy

Changelight

Aucksun

TongFang

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

Chapter 2, to profile the top manufacturers of Vertical LED Chip, with price, sales, revenue and global market share of Vertical LED Chip from 2018 to 2023.

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

Chapter 4, the Vertical LED Chip 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 Vertical LED Chip 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 Vertical LED Chip.

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

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