

# Global LED Chip and Module Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G2FB2A9818A1EN.html>

Date: June 2025

Pages: 151

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

ID: G2FB2A9818A1EN

## Abstracts

According to our (Global Info Research) latest study, the global LED Chip and Module market size was valued at US\$ 4768 million in 2024 and is forecast to a readjusted size of USD 6632 million by 2031 with a CAGR of 4.9% during review period.

Epi/chip. Epitaxy refers to the process of evolving a wafer (sapphire or SiC, for instance) by depositing epitaxial layers on the wafer using MOCVD. Creating the epitaxial layers is the most critical and capital-intensive step in LED manufacturing. After additional wafer processing to create the metal connection, the wafer is cut up ('diced') into chips. Although it can be used for different applications, the quality requirements (mainly efficacy) of the epi/chip differ by application.

Module (sometimes called light engine). Creation of a module (light engine) is the next step in the LED lighting value chain. The module (light engine) mainly consists of one or more LED packages, secondary optics, a heat sink and an electrical driver. The LEDs are mounted on a PCB (printed circuit board), and the modules (light engines) are integrated with optics and thermal/power management components to optimize the module (light engine) to each application.

The top 4 of global LED Chip and Module include San'an Opto, ETI, HC SemiTek and Lattice Power, with about 77% market shares.

Europe is the largest consumption place, with a consumption market share nearly 27%.

This report is a detailed and comprehensive analysis for global LED Chip and Module 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 LED Chip and Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Sq.in.), and average selling prices (USD/Sq.in.), 2020-2031

Global LED Chip and Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sq.in.), and average selling prices (USD/Sq.in.), 2020-2031

Global LED Chip and Module market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sq.in.), and average selling prices (USD/Sq.in.), 2020-2031

Global LED Chip and Module market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sq.in.), and ASP (USD/Sq.in.), 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 LED Chip and Module

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 LED Chip and Module 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 Epistar, San'an Opto, Cree, OSRAM, Samsung, Toyoda Gosei, Seoul Semiconductor, Philips Lumileds, ETI, LG Innotek, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

## Market Segmentation

LED Chip and Module 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

Lateral Chip

Vertical Chip

Flip Chip

### Market segment by Application

General Lighting

Automotive Lighting

Backlighting

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

Chapter 2, to profile the top manufacturers of LED Chip and Module, with price, sales quantity, revenue, and global market share of LED Chip and Module from 2020 to 2025.

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

Chapter 4, the LED Chip and Module 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 LED Chip and Module 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 LED Chip and Module.

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

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