

Global LED Chip and Module Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global LED Chip and Module market size is expected to reach \$ 6931 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

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 studies the global LED Chip and Module production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for LED Chip

and Module and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of LED Chip and Module that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global LED Chip and Module total production and demand, 2021-2032, (K Sq.in.)

Global LED Chip and Module total production value, 2021-2032, (USD Million)

Global LED Chip and Module production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sq.in.), (based on production site)

Global LED Chip and Module consumption by region & country, CAGR, 2021-2032 & (K Sq.in.)

U.S. VS China: LED Chip and Module domestic production, consumption, key domestic manufacturers and share

Global LED Chip and Module production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sq.in.)

Global LED Chip and Module production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Sq.in.)

Global LED Chip and Module production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sq.in.)

This report profiles key players in the global LED Chip and Module 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World LED Chip and Module market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (K Sq.in.) and average price (USD/Sq.in.) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global LED Chip and Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global LED Chip and Module Market, Segmentation by Type:

Lateral Chip

Vertical Chip

Flip Chip

Global LED Chip and Module Market, Segmentation by Application:

General Lighting

Automotive Lighting

Backlighting

Companies Profiled:

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

Key Questions Answered:

1. How big is the global LED Chip and Module market?
2. What is the demand of the global LED Chip and Module market?
3. What is the year over year growth of the global LED Chip and Module market?
4. What is the production and production value of the global LED Chip and Module market?
5. Who are the key producers in the global LED Chip and Module market?
6. What are the growth factors driving the market demand?

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