

Chip-on-Board LED: Global Markets

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Abstracts

This report analyzes the chip-on-board (COB) LED market by product type, wattage and application, offering insights into key trends and growth drivers. The study focuses on product types such as COB LED modules, COB LED arrays and COB LED components. It assesses the use of these types with various wattages, including 10W-30W, 30W-50W, less than 10W, and above 50W. The report also evaluates market demand across key application segments: general lighting, automotive lighting, backlighting, and others.

The report also provides a comprehensive regional analysis covering North America, Europe, Asia-Pacific, and the Rest of the World. It evaluates drivers, challenges, and emerging trends while highlighting innovations in material design and performance enhancement. The study concludes with an analysis of major market companies and their offerings. The base year for the study is 2024, with projections for the years 2025 through 2030, including compound annual growth rate (CAGR) for the forecast period.

Report Includes

An overview of the global market for chip-on-board (COB) LED technology

In-depth analysis of global market trends, featuring historical revenue data for 2024, estimated figures for 2025, as well as forecasts for 2026 and 2028. This analysis includes projections of compound annual growth rates (CAGRs) through 2030

Evaluation of the current market size and revenue growth prospects specific to the chip-on-board LED, accompanied by a market share analysis by type, wattage, application and region

Analysis of current and future demand in the global chip-on-board LED market, along with a detailed analysis of the competitive environment, market regulations and reimbursement practices

Analysis of drivers, challenges and opportunities affecting market growth

Coverage of evolving technologies, the current and future market potential, R&D activities, growth strategies, new product pipeline, regulatory framework and reimbursement scenarios and ESG trends of the market

Market share analysis of the key market participants in the chip on board LED market, along with their research priorities, product portfolios, global rankings and company competitive landscape

Profiles of major companies within the industry

Summary:

This report presents an analysis of the chip-on-board (COB) LED market with the latest data and market trends from 2024 to 2030. It provides a qualitative and quantitative analysis of the COB LED industry, and discuss technological innovations and market diving factors. The report concludes with a company competitive landscape and profile descriptions of the leading market participants

The COB LED market is witnessing a surge in demand across the LED and lighting industry, with the use of energy-efficient initiatives and investments. The market was valued at \$REDACTED in 2024 and is anticipated to reach \$REDACTED by the end of 2030, with an expected CAGR of REDACTED% from 2025 to 2030. The industry growth is primarily driven by increasing adoption in general illumination, automotive headlights, architectural lighting, and horticultural systems.

COB LEDs have several advantages, including uniform light emission, high lumen density, and improved thermal management, making them suitable for high-powered light applications. They can accommodate multiple LED chips on a single substrate, reducing glare and improving durability. The increased demand for smart homes and networked devices has also fueled the adoption of COB LEDs in smart and sophisticated lighting schemes, which is boosting demand in consumer and business markets.

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AMS-OSRAM AG
BRIDGELUX INC.
CITIZEN ELECTRONICS CO. LTD.
CREE LED
LUMILEDS HOLDING B.V.
LUMINUS INC.
NICHIA CORP.
SAMSUNG (SAMSUNG LED)
SEOUL SEMICONDUCTOR CO. LTD.
SHENZHEN TONGYIFANG OPTOELECTRONIC TECHNOLOGY CO. LTD.

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