Chip On Board Light Emitting Diodes Market By Material (MCPCB, Ceramic), By Application (Backlighting, Illumination, Automotive): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2023-07-01 | 308 pages | Allied Market Research

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Report description:

The chip on board light emitting diodes market was valued at $1,874.70 million in 2022 and is estimated to reach $5,487.00 million by 2032, exhibiting a CAGR of 11.76% from 2023 to 2032. Chip on board light emitting diodes is a sort of LED package in which the LED chips are directly glued to a PCB or a substrate instead of using regular LED packages. As there are no separate packages, the LED module is more compact and low-profile.

The chip on board light emitting diodes market has grown gradually owing to rise in demand for energy-efficient lighting solutions in a variety of applications including general illumination, automotive lighting, display backlighting, and horticultural lighting. The market is expected to expand further as more industries use COB LED technology. Chip on board light emitting diodes enhances typical LED packages in terms of light output, heat management, color consistency, reliability, and system complexity. Owing to these advantages, it is considered an appealing alternative for applications that demand great brightness, compact size, and outstanding performance.?

Chip on board light emitting diodes is used in a variety of lighting applications, such as residential & commercial lighting, outdoor illumination, automotive lighting, and specialty lighting. Chip on board light emitting diodes makes?exceptional lumen density and its compact form makes it appropriate for a wide range of lighting fixtures and applications requiring high-quality and efficient illumination.?

The automobile sector has been a major driving force in the chip on board light emitting diodes market. Owing to its brightness, compactness, and improved thermal management, chip on board light emitting diodes are utilized in vehicle headlights, taillights, indicators, and interior illumination. The increased need for energy-efficient lighting solutions in automobiles encourages the use of chip on board light emitting diodes technology.?

For the purpose of analysis, the chip on board light emitting diodes market scope covers segmentation on the basis of material, application, and region. On the basis of material, it is categorized into MCPCB and ceramic. On the basis of application, it is

fragmented into automotive, illumination, and backlighting. Region wise, the chip on board light emitting diodes market trends are analyzed across North America (U.S., Canada, and Mexico), Europe (Germany, France, the UK, and rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa).??
The key players operating in the chip on board light emitting diodes market include Nichia Corporation, OSRAM GmbH, Samsung Electronics Co Ltd, Citizen Electronics Co., Ltd, Everlight Electronics Co., Ltd., PerkinElmer, Inc., ProPhotonix Limited, Cree LED, Inc., and Seoul Semiconductor Co., Ltd.
Key Benefits For Stakeholders
-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the chip on board light emitting diodes market analysis from 2022 to 2032 to identify the prevailing chip on board light emitting diodes market opportunities.
-The market research is offered along with information related to key drivers, restraints, and opportunities.
-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
-In-depth analysis of the chip on board light emitting diodes market segmentation assists to determine the prevailing market opportunities.
-Major countries in each region are mapped according to their revenue contribution to the global market.
-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
-The report includes the analysis of the regional as well as global chip on board light emitting diodes market trends, key players, market segments, application areas, and market growth strategies.

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- Quarterly Update and* (only available with a corporate license, on listed price)
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Possible Customization with this report (with additional cost and timeline talk to the sales executive to know more)
- Product Benchmarking / Product specification and applications
- Go To Market Strategy
- New Product Development/ Product Matrix of Key Players
- Import Export Analysis/Data
Key Market Segments
By Material
- MCPCB
- Ceramic
By Application
- Backlighting
- Illumination
- Automotive

By Region
- North America
- U.S.
- Canada
- Mexico
- Europe
- UK
- Germany
- France
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- CITIZEN ELECTRONICS CO., LTD
- Cree LED, Inc.
- EVERLIGHT ELECTRONICS CO., LTD.
- Nichia Corporation
- OSRAM GmbH
- PerkinElmer, Inc.
- ProPhotonix Limited
- Samsung Electronics Co Ltd
- Seoul Semiconductor Co., Ltd
- Tridonic

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