

High Power LED Market by Packaging Type (Flip Chip, Mesa, and Vertical), Application (General Lighting, Automotive, Flash Lighting, Backlighting,) and Geography (APAC, North America, Europe, Rest of the World) - Global Forecast to 2024

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Abstracts

“High power LED market projected to grow at 4.5% CAGR during 2019–2024”

The high power LED market is expected to grow from USD 4.5 billion in 2019 to USD 5.6 billion by 2024, at a CAGR of 4.5% during the forecast period. The long life & continuous usage, small size, less power consumption & low voltage, and increasing high brightness application are the major factors fueling the growth of the overall market. However, the high initial cost might restrain the market growth.

“High power LED with flip chip packaging to grow at the highest CAGR during the forecast period”

The high power LED market for flip chip packages will grow at the highest CAGR during the forecast period owing to its advantages over the traditional horizontal mesa packaging and vertical packaging. The flip chip packages can be driven at higher current, are free of wire-bonding, and are offered in smaller packages. This is the major factor leading to the higher adoption of these LEDs than the traditional horizontal and vertical LEDs.

“Automotive application to register high CAGR in high power LED market during the forecast period”

In the automotive sector, high power LEDs are used in interior and exterior lighting

applications. The adoption of high power LEDs for automotive lighting is very low due to their high costs, and they are used mostly in premium cars. However, their adoption is slowly gaining momentum because of increased interest among automobile manufacturers for high power LED modules and their availability for automotive applications. The available brightness due to high power LEDs would be the major driver for the growth of the high power LED market.

“APAC to hold a significant share of the high power LED market by 2024”

APAC currently leads the high power LED industry in terms of market size and is likely to continue being the leading region in 2024 as well. China, South Korea, and Japan are the top three contributors to the high power LED market in APAC; the market in Japan is expected to grow at the highest CAGR during the forecast period owing to the adoption of high power LEDs in premium automotive based out in Japan. General lighting will be the leading application segment due to the early adoption of the high power LED. Also, the demand for high power LEDs in automotive, backlighting, and flash lighting in this region are the major factors fueling the growth of the high power LED market in this region.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key industry experts in the high power LED marketplace. The break-up of primary participants for the report has been shown below:

By Company Type: Tier 1 – 36%, Tier 2 – 44%, and Tier 3 – 20%

By Designation: C-level Executives – 16%, Directors – 44%, and Others – 40%

By Region: North America – 15%, Europe – 21%, Asia Pacific – 55%, South America – 5% and the Middle East & Africa – 4%

The report profiles key players in the high power LED market with their respective market ranking analysis. Prominent players profiled in this report are Cree (US), Nichia (Japan), OSRAM (Germany), Samsung (South Korea), Everlight (Taiwan), Lumileds (Netherlands), Epistar (Taiwan), LG Innotek (South Korea), Broadcom (US), MLS (China), and Seoul Semiconductor (South Korea). The other important companies include LuckyLight Electronics (China), Plessey Semiconductors (UK), Betlux Electronics (China), Effilux (France), Lite-On Technology (Taiwan), Crescent LED (UK), Vollong

Electronics (China), and Stanley Electric (Switzerland).

Research Coverage:

This research report categorizes the global high power LED market based on packaging type, application, and geography. The report describes the major drivers, restraints, challenges, and opportunities pertaining to the high power LED market and forecasts the same till 2024.

Key Benefits of Buying the Report

The report would help leaders/new entrants in this market in the following ways:

1. This report segments the high power LED market comprehensively and provides the closest market size projection for all subsegments across different regions.
2. The report helps stakeholders understand the pulse of the market and provides them with information on key drivers, restraints, challenges, and opportunities for market growth.
3. This report would help stakeholders understand their competitors better and gain more insights to improve their position in the business. The competitive landscape section includes product launch, acquisition, agreement, partnership, and expansion.

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