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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 marketspace. 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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Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES
1.2 DEFINITION
1.3 STUDY SCOPE
  1.3.1 MARKETS COVERED
  1.3.2 YEARS CONSIDERED
1.4 CURRENCY
1.5 LIMITATIONS
1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA
  2.1.1 SECONDARY DATA
    2.1.1.1 Secondary sources
  2.1.2 PRIMARY DATA
    2.1.2.1 Primary interviews with experts
    2.1.2.2 Breakdown of primaries
    2.1.2.3 Key data from primary sources
  2.1.3 SECONDARY AND PRIMARY RESEARCH
    2.1.3.1 Key industry insights
2.2 MARKET SIZE ESTIMATION
  2.2.1 BOTTOM-UP APPROACH
    2.2.1.1 Approach for capturing market size by bottom-up analysis (demand side)
  2.2.2 TOP-DOWN APPROACH
    2.2.2.1 Approach for capturing market size by top-down analysis (supply side)
2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 HIGH POWER LED MARKET, 2019–2024 (USD BILLION)
4.2 HIGH POWER LED MARKET IN APAC, BY APPLICATION AND COUNTRY
4.3 HIGH POWER LED MARKET: DEVELOPED VS. DEVELOPING MARKETS, 2019

AND 2024 (USD BILLION)
4.4 GEOGRAPHIC ANALYSIS OF HIGH POWER LED MARKET, 2019–2024
4.5 HIGH POWER LED MARKET, BY APPLICATION (USD BILLION)

5 MARKET OVERVIEW

5.1 INTRODUCTION
5.2 MARKET DYNAMICS
5.2.1 DRIVERS
5.2.1.1 Long life and continuous usage
5.2.1.2 Small size, less power consumption, and low voltage
5.2.1.3 Increasing high brightness LED applications
5.2.2 RESTRAINTS
5.2.2.1 High initial cost
5.2.3 OPPORTUNITIES
5.2.3.1 Increased demand for smart lighting systems
5.2.3.2 Increased awareness regarding implementation of energy-efficient systems
5.2.4 CHALLENGE
5.2.4.1 Overcoming the thermal problems
5.3 VALUE CHAIN ANALYSIS

6 HIGH POWER LED MARKET, BY PACKAGING TYPE

6.1 INTRODUCTION
6.2 MESA
6.2.1 MESA PACKAGING BEING COMMON LED PACKAGING TYPE IS KEY FACTOR CONTRIBUTING TO ITS HIGH ADOPTION
6.3 FLIP CHIP
6.3.1 WIRELESS BONDING TECHNOLOGY, ENHANCED DURABILITY, HEAT DISSIPATION, AND SUPERIOR LIGHT PERFORMANCE FUEL GROWTH OF MARKET FOR FLIP CHIP LED PACKAGING
6.4 VERTICAL
6.4.1 USE OF VERTICAL PACKAGING IN HIGH AND SUPER HIGH POWER APPLICATIONS IS MAJOR DRIVER FOR GROWTH OF MARKET FOR VERTICAL PACKAGED HIGH POWER LEDS

7 HIGH POWER LED MARKET, BY APPLICATION

7.1 INTRODUCTION

7.2 AUTOMOTIVE
7.2.1 USE OF HIGH POWER LEDS IN AUTOMOTIVE EXTERIOR LIGHTING IS MAJOR DRIVER FOR GROWTH OF MARKET FOR AUTOMOTIVE
7.3 GENERAL LIGHTING
7.3.1 INCREASED USE OF HIGH POWER LEDS IN STREET AND ROADWAY LIGHTING TO DRIVE GROWTH OF MARKET FOR GENERAL LIGHTING
7.4 BACKLIGHTING
7.4.1 INCREASED USE HIGH POWER LEDS IN DISPLAY BACKLIGHTING TO DRIVE MARKET GROWTH FOR BACKLIGHTING
7.5 FLASH LIGHTING
7.5.1 INCREASED DEMAND FOR HIGH POWER LEDS IN SMARTPHONES TO DRIVE GROWTH OF MARKET FOR FLASH LIGHTING
7.6 OTHERS
7.6.1 USE OF HIGH POWER LEDS IN TRAFFIC SIGNALS AND SIGNS TO BOOST GROWTH OF MARKET FOR OTHER APPLICATIONS

8 HIGH POWER LED MARKET, BY GEOGRAPHY

8.1 INTRODUCTION
8.2 NORTH AMERICA
8.2.1 US
8.2.1.1 Increased focus on energy-efficient systems in US to drive market
8.2.2 CANADA & MEXICO
8.2.2.1 Increasing investment in smart lighting to fuel growth of high power LED market in Canada and Mexico
8.3 EUROPE
8.3.1 UK
8.3.1.1 Continuous focus of the government on improved lighting systems to drive growth of market in UK
8.3.2 GERMANY
8.3.2.1 Continued innovation and high adoption of high power LEDs in automotive expected to drive market in Germany
8.3.3 FRANCE
8.3.3.1 Increasing demand for high power LEDs in general lighting and automotive to drive growth of market in France
8.3.4 REST OF EUROPE
8.3.4.1 Spain, Italy, Poland, Finland, Sweden, Belgium, the Netherlands, Switzerland, and Austria are major contributors to high power LED market in Rest of Europe
8.4 ASIA PACIFIC

8.4.1 CHINA
8.4.1.1 Presence of several manufacturers of high power LEDs to drive growth of market in China
8.4.2 JAPAN
8.4.2.1 Presence of major automotive players in Japan to fuel growth of high power LED market
8.4.3 SOUTH KOREA
8.4.3.1 Presence of major smartphone, automotive, and display manufacturers in South Korea would encourage adoption of high power LEDs
8.4.4 REST OF APAC
8.4.4.1 Countries such as India, Singapore, Taiwan, and Australia to drive growth of market in Rest of APAC
8.5 REST OF THE WORLD
8.5.1 MIDDLE EAST AND AFRICA
8.5.1.1 Smart lighting to fuel growth of high power LED market in Middle East and Africa
8.5.2 SOUTH AMERICA
8.5.2.1 Rising need for reducing energy costs to boost growth of high power LED market in South America

9 COMPETITIVE LANDSCAPE

9.1 INTRODUCTION
9.2 RANKING OF HIGH POWER LED MARKET PLAYERS
9.3 COMPETITIVE SCENARIO
9.3.1 PRODUCT LAUNCHES AND DEVELOPMENTS
9.3.2 PARTNERSHIP, AGREEMENT, EXPANSION, & ACQUISITION
9.4 COMPETITIVE LEADERSHIP MAPPING
9.4.1 VISIONARY LEADERS
9.4.2 DYNAMIC DIFFERENTIATORS
9.4.3 INNOVATORS
9.4.4 EMERGING COMPANIES

10 COMPANY PROFILES

10.1 INTRODUCTION
(Business Overview, Products Offered, Recent Developments, SWOT Analysis, and MnM View)*
10.2 KEY PLAYERS

10.2.1 CREE
10.2.2 NICHIA
10.2.3 OSRAM OPTO SEMICONDUCTORS
10.2.4 SAMSUNG ELECTRONICS
10.2.5 LUMILEDS
10.2.6 EVERLIGHT ELECTRONICS
10.2.7 EPISTAR
10.2.8 SEOUL SEMICONDUCTOR
10.2.9 LG INNOTEK
10.2.10 BROADCOM
10.2.11 MLS CO. LTD.
10.3 OTHER KEY PLAYERS
10.3.1 LUCKYLIGHT ELECTRONICS
10.3.2 PLESSEY SEMICONDUCTORS
10.3.3 BETLUX ELECTRONICS
10.3.4 EFFILUX
10.4 KEY INNOVATORS
10.4.1 LITE-ON TECHNOLOGY
10.4.2 CRESCENT LED
10.4.3 VOLLONG ELECTRONICS
10.4.4 STANLEY ELECTRIC

*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, and MnM View might not be captured in case of unlisted companies.

11 APPENDIX

11.1 INSIGHTS OF INDUSTRY EXPERTS
11.2 DISCUSSION GUIDE
11.3 KNOWLEDGE STORE: MARKETSANDMARKETS’ SUBSCRIPTION PORTAL
11.4 AVAILABLE CUSTOMIZATIONS
11.5 RELATED REPORTS
11.6 AUTHOR DETAILS

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List Of Tables

LIST OF TABLES

TABLE 1 HIGH POWER LED MARKET, BY PACKAGING TYPE, 2016–2024 (USD BILLION)
TABLE 2 HIGH POWER LED MARKET, BY APPLICATION, 2016–2024 (USD BILLION)
TABLE 3 HIGH POWER LED MARKET FOR AUTOMOTIVE, BY REGION, 2016–2024 (USD MILLION)
TABLE 4 HIGH POWER LED MARKET FOR AUTOMOTIVE IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 5 HIGH POWER LED MARKET FOR AUTOMOTIVE IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 6 HIGH POWER LED MARKET FOR AUTOMOTIVE IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 7 HIGH POWER LED MARKET FOR AUTOMOTIVE IN ROW, BY REGION, 2016–2024 (USD MILLION)
TABLE 8 HIGH POWER LED MARKET FOR GENERAL LIGHTING, BY REGION, 2016–2024 (USD MILLION)
TABLE 9 HIGH POWER LED MARKET FOR GENERAL LIGHTING IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 10 HIGH POWER LED MARKET FOR GENERAL LIGHTING IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 11 HIGH POWER LED MARKET FOR GENERAL LIGHTING IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 12 HIGH POWER LED MARKET FOR GENERAL LIGHTING IN ROW, BY REGION, 2016–2024 (USD MILLION)
TABLE 13 HIGH POWER LED MARKET FOR BACKLIGHTING, BY REGION, 2016–2024 (USD MILLION)
TABLE 14 HIGH POWER LED MARKET FOR BACKLIGHTING IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 15 HIGH POWER LED MARKET FOR BACKLIGHTING IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 16 HIGH POWER LED MARKET FOR BACKLIGHTING IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 17 HIGH POWER LED MARKET FOR BACKLIGHTING IN ROW, BY REGION, 2016–2024 (USD MILLION)
TABLE 18 HIGH POWER LED MARKET FOR FLASH LIGHTING, BY REGION, 2016–2024 (USD MILLION)

TABLE 19 HIGH POWER LED MARKET FOR FLASH LIGHTING IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 20 HIGH POWER LED MARKET FOR FLASH LIGHTING IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 21 HIGH POWER LED MARKET FOR FLASH LIGHTING IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 22 HIGH POWER LED MARKET FOR FLASH LIGHTING IN ROW, BY REGION, 2016–2024 (USD MILLION)
TABLE 23 HIGH POWER LED MARKET FOR OTHERS, BY REGION, 2016–2024 (USD MILLION)
TABLE 24 HIGH POWER LED MARKET FOR OTHERS IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 25 HIGH POWER LED MARKET FOR OTHERS IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 26 HIGH POWER LED MARKET FOR OTHERS IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 27 HIGH POWER LED MARKET FOR OTHERS IN ROW, BY REGION, 2016–2024 (USD MILLION)
TABLE 28 HIGH POWER LED MARKET, BY REGION, 2016–2024 (USD MILLION)
TABLE 29 HIGH POWER LED MARKET IN NORTH AMERICA, BY APPLICATION, 2016–2024 (USD MILLION)
TABLE 30 HIGH POWER LED MARKET IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 31 HIGH POWER LED MARKET IN EUROPE, BY APPLICATION, 2016–2024 (USD MILLION)
TABLE 32 HIGH POWER LED MARKET IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 33 HIGH POWER LED MARKET IN APAC, BY APPLICATION, 2016–2024 (USD MILLION)
TABLE 34 HIGH POWER LED MARKET IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 35 HIGH POWER LED MARKET IN ROW, BY APPLICATION, 2016–2024 (USD MILLION)
TABLE 36 HIGH POWER LED MARKET IN ROW, BY REGION, 2016–2024 (USD MILLION)
TABLE 37 RANKING OF TOP 5 PLAYERS IN HIGH POWER LED MARKET
TABLE 38 PRODUCT LAUNCHES AND DEVELOPMENTS: HIGH POWER LED MARKET, 2017–2019
TABLE 39 PARTNERSHIP, AGREEMENT, EXPANSION & ACQUISITION: HIGH

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POWER LED MARKET, 2015–2018

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List Of Figures

LIST OF FIGURES

FIGURE 1 MARKET SEGMENTATION
FIGURE 2 HIGH POWER LED MARKET: RESEARCH DESIGN
FIGURE 3 BOTTOM-UP APPROACH TO ARRIVE AT MARKET SIZE
FIGURE 4 TOP-DOWN APPROACH TO ARRIVE AT MARKET SIZE
FIGURE 5 DATA TRIANGULATION METHODOLOGY
FIGURE 6 HIGH POWER LED MARKET, 2016–2024 (USD BILLION)
FIGURE 7 HIGH POWER LED MARKET, BY PACKAGING TYPE, 2019 VS. 2024
FIGURE 8 GENERAL LIGHTING HELD LARGEST SIZE OF HIGH POWER LED MARKET IN 2018
FIGURE 9 APAC HELD LARGEST SHARE OF HIGH POWER LED MARKET IN 2018
FIGURE 10 APAC EXPECTED TO BE LARGEST SHAREHOLDER IN HIGH POWER LED MARKET FOR GENERAL LIGHTING BY 2019
FIGURE 11 ATTRACTIVE MARKET OPPORTUNITIES FOR HIGH POWER LED MARKET
FIGURE 12 CHINA AND GENERAL LIGHTING TO BE LARGEST SHAREHOLDERS IN HIGH POWER LED MARKET IN APAC BY 2024
FIGURE 13 US TO REGISTER HIGHEST CAGR IN HIGH POWER LED MARKET DURING 2019–2024
FIGURE 14 US AND CANADA TO WITNESS HIGH CAGR IN HIGH POWER LED MARKET FROM 2019 TO 2024
FIGURE 15 GENERAL LIGHTING APPLICATION EXPECTED TO DOMINATE HIGH POWER LED MARKET DURING FORECAST PERIOD
FIGURE 16 INCREASING HIGH BRIGHTNESS APPLICATIONS DRIVE GROWTH OF HIGH POWER LED MARKET
FIGURE 17 VALUE CHAIN ANALYSIS (2018): MAJOR VALUE ADDED DURING RESEARCH AND PRODUCT DEVELOPMENT, AND MANUFACTURING STAGES
FIGURE 18 FLIP CHIP PACKAGING TO LEAD HIGH POWER LED MARKET DURING FORECAST PERIOD
FIGURE 19 GENERAL LIGHTING TO HOLD LARGEST SIZE OF HIGH POWER LED MARKET DURING FORECAST PERIOD
FIGURE 20 GEOGRAPHIC SNAPSHOT: HIGH POWER LED MARKET IN NORTH AMERICA TO WITNESS HIGHEST GROWTH DURING FORECAST PERIOD
FIGURE 21 CHINA TO HOLD LARGEST SIZE OF HIGH POWER LED MARKET BY 2024
FIGURE 22 NORTH AMERICA: HIGH POWER LED MARKET SNAPSHOT

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FIGURE 23 EUROPE: SNAPSHOT OF HIGH POWER LED MARKET
FIGURE 24 APAC: SNAPSHOT OF HIGH POWER LED MARKET
FIGURE 25 COMPANIES ADOPTED PRODUCT LAUNCHES AND DEVELOPMENTS AS KEY GROWTH STRATEGIES DURING 2015–2018
FIGURE 26 CREE: COMPANY SNAPSHOT
FIGURE 27 NICHIA: COMPANY SNAPSHOT
FIGURE 28 OSRAM LICHT: COMPANY SNAPSHOT
FIGURE 29 SAMSUNG ELECTRONICS: COMPANY SNAPSHOT
FIGURE 30 EPISTAR: COMPANY SNAPSHOT
FIGURE 31 SEOUL SEMICONDUCTOR: COMPANY SNAPSHOT
FIGURE 32 LG INNOTEK: COMPANY SNAPSHOT 2017
FIGURE 33 BROADCOM: COMPANY SNAPSHOT 2017

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