

2018-2023 Global Light-emitting Diode (LED) Consumption Market Report

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Abstracts

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In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Light-emitting Diode (LED) market for 2018-2023.

A light-emitting diode (LED) is a two-lead semiconductor light source. It is a p–n junction diode that emits light when activated. When a suitable current is applied to the leads, electrons are able to recombine with electron holes within the device, releasing energy in the form of photons. This effect is called electroluminescence, and the colour of the light (corresponding to the energy of the photon) is determined by the energy band gap of the semiconductor. LEDs are typically small (less than 1 mm²) and integrated optical components may be used to shape the radiation pattern.

LED uses fall into three major categories which are Indicators and signs, Data communication and signaling, and Lighting. The low energy consumption, low maintenance and small size of LEDs has led to uses as status indicators and displays on a variety of equipment and installations. Large-area LED displays are used as stadium displays, dynamic decorative displays, and dynamic message signs on freeways. Thin, lightweight message displays are used at airports and railway stations, and as destination displays for trains, buses, trams, and ferries. With the development of high-efficiency and high-power LEDs, it has become possible to use LEDs in lighting and illumination. LEDs are used as street lights and in other architectural lighting. The mechanical robustness and long lifetime are used in automotive lighting on cars, motorcycles, and bicycle lights. Light can be used to transmit data and analog signals. For example, lighting white LEDs can be used in systems assisting people to navigate in closed spaces while searching necessary rooms or objects.

Over the next five years, LPI(LP Information) projects that Light-emitting Diode (LED) will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Light-emitting Diode (LED) market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Ultraviolet LED

Polymer LED

Organic LED

Basic LED

High Brightness LED

Segmentation by application:

General lighting

Backlighting

Signals and signage

Mobile Devices

Automotive

Others Applications

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Cree

GE Lighting

LG Innotek

NICHIA

OSRAM

Philips Lighting

Samsung Electronics

Dialight

Eaton

Emerson

Everlight Electronics

Seoul Semiconductor

Toyoda Gosei

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

RESEARCH OBJECTIVES

To study and analyze the global Light-emitting Diode (LED) consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Light-emitting Diode (LED) market by identifying its various subsegments.

Focuses on the key global Light-emitting Diode (LED) manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Light-emitting Diode (LED) with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Light-emitting Diode (LED) submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

Contents

2018-2023 GLOBAL LIGHT-EMITTING DIODE (LED) CONSUMPTION MARKET REPORT

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Research Objectives
- 1.3 Years Considered
- 1.4 Market Research Methodology
- 1.5 Economic Indicators
- 1.6 Currency Considered

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Light-emitting Diode (LED) Consumption 2013-2023
 - 2.1.2 Light-emitting Diode (LED) Consumption CAGR by Region
- 2.2 Light-emitting Diode (LED) Segment by Type
 - 2.2.1 Ultraviolet LED
 - 2.2.2 Polymer LED
 - 2.2.3 Organic LED
 - 2.2.4 Basic LED
 - 2.2.5 High Brightness LED
- 2.3 Light-emitting Diode (LED) Consumption by Type
 - 2.3.1 Global Light-emitting Diode (LED) Consumption Market Share by Type (2013-2018)
 - 2.3.2 Global Light-emitting Diode (LED) Revenue and Market Share by Type (2013-2018)
 - 2.3.3 Global Light-emitting Diode (LED) Sale Price by Type (2013-2018)
- 2.4 Light-emitting Diode (LED) Segment by Application
 - 2.4.1 General lighting
 - 2.4.2 Backlighting
 - 2.4.3 Signals and signage
 - 2.4.4 Mobile Devices
 - 2.4.5 Automotive
 - 2.4.6 Others Applications
- 2.5 Light-emitting Diode (LED) Consumption by Application

2.5.1 Global Light-emitting Diode (LED) Consumption Market Share by Application (2013-2018)

2.5.2 Global Light-emitting Diode (LED) Value and Market Share by Application (2013-2018)

2.5.3 Global Light-emitting Diode (LED) Sale Price by Application (2013-2018)

3 GLOBAL LIGHT-EMITTING DIODE (LED) BY PLAYERS

3.1 Global Light-emitting Diode (LED) Sales Market Share by Players

3.1.1 Global Light-emitting Diode (LED) Sales by Players (2016-2018)

3.1.2 Global Light-emitting Diode (LED) Sales Market Share by Players (2016-2018)

3.2 Global Light-emitting Diode (LED) Revenue Market Share by Players

3.2.1 Global Light-emitting Diode (LED) Revenue by Players (2016-2018)

3.2.2 Global Light-emitting Diode (LED) Revenue Market Share by Players (2016-2018)

3.3 Global Light-emitting Diode (LED) Sale Price by Players

3.4 Global Light-emitting Diode (LED) Manufacturing Base Distribution, Sales Area, Product Types by Players

3.4.1 Global Light-emitting Diode (LED) Manufacturing Base Distribution and Sales Area by Players

3.4.2 Players Light-emitting Diode (LED) Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) (2016-2018)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 LIGHT-EMITTING DIODE (LED) BY REGIONS

4.1 Light-emitting Diode (LED) by Regions

4.1.1 Global Light-emitting Diode (LED) Consumption by Regions

4.1.2 Global Light-emitting Diode (LED) Value by Regions

4.2 Americas Light-emitting Diode (LED) Consumption Growth

4.3 APAC Light-emitting Diode (LED) Consumption Growth

4.4 Europe Light-emitting Diode (LED) Consumption Growth

4.5 Middle East & Africa Light-emitting Diode (LED) Consumption Growth

5 AMERICAS

5.1 Americas Light-emitting Diode (LED) Consumption by Countries

5.1.1 Americas Light-emitting Diode (LED) Consumption by Countries (2013-2018)

5.1.2 Americas Light-emitting Diode (LED) Value by Countries (2013-2018)

5.2 Americas Light-emitting Diode (LED) Consumption by Type

5.3 Americas Light-emitting Diode (LED) Consumption by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Key Economic Indicators of Few Americas Countries

6 APAC

6.1 APAC Light-emitting Diode (LED) Consumption by Countries

6.1.1 APAC Light-emitting Diode (LED) Consumption by Countries (2013-2018)

6.1.2 APAC Light-emitting Diode (LED) Value by Countries (2013-2018)

6.2 APAC Light-emitting Diode (LED) Consumption by Type

6.3 APAC Light-emitting Diode (LED) Consumption by Application

6.4 China

6.5 Japan

6.6 Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 Key Economic Indicators of Few APAC Countries

7 EUROPE

7.1 Europe Light-emitting Diode (LED) by Countries

7.1.1 Europe Light-emitting Diode (LED) Consumption by Countries (2013-2018)

7.1.2 Europe Light-emitting Diode (LED) Value by Countries (2013-2018)

7.2 Europe Light-emitting Diode (LED) Consumption by Type

7.3 Europe Light-emitting Diode (LED) Consumption by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

7.9 Spain

7.10 Key Economic Indicators of Few Europe Countries

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Light-emitting Diode (LED) by Countries

8.1.1 Middle East & Africa Light-emitting Diode (LED) Consumption by Countries (2013-2018)

8.1.2 Middle East & Africa Light-emitting Diode (LED) Value by Countries (2013-2018)

8.2 Middle East & Africa Light-emitting Diode (LED) Consumption by Type

8.3 Middle East & Africa Light-emitting Diode (LED) Consumption by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers and Impact

9.1.1 Growing Demand from Key Regions

9.1.2 Growing Demand from Key Applications and Potential Industries

9.2 Market Challenges and Impact

9.3 Market Trends

10 MARKETING, DISTRIBUTORS AND CUSTOMER

10.1 Sales Channel

10.1.1 Direct Marketing

10.1.2 Indirect Marketing

10.2 Light-emitting Diode (LED) Distributors

10.3 Light-emitting Diode (LED) Customer

11 GLOBAL LIGHT-EMITTING DIODE (LED) MARKET FORECAST

11.1 Global Light-emitting Diode (LED) Consumption Forecast (2018-2023)

11.2 Global Light-emitting Diode (LED) Forecast by Regions

11.2.1 Global Light-emitting Diode (LED) Forecast by Regions (2018-2023)

11.2.2 Global Light-emitting Diode (LED) Value Forecast by Regions (2018-2023)

11.2.3 Americas Consumption Forecast

11.2.4 APAC Consumption Forecast

- 11.2.5 Europe Consumption Forecast
- 11.2.6 Middle East & Africa Consumption Forecast
- 11.3 Americas Forecast by Countries
 - 11.3.1 United States Market Forecast
 - 11.3.2 Canada Market Forecast
 - 11.3.3 Mexico Market Forecast
 - 11.3.4 Brazil Market Forecast
- 11.4 APAC Forecast by Countries
 - 11.4.1 China Market Forecast
 - 11.4.2 Japan Market Forecast
 - 11.4.3 Korea Market Forecast
 - 11.4.4 Southeast Asia Market Forecast
 - 11.4.5 India Market Forecast
 - 11.4.6 Australia Market Forecast
- 11.5 Europe Forecast by Countries
 - 11.5.1 Germany Market Forecast
 - 11.5.2 France Market Forecast
 - 11.5.3 UK Market Forecast
 - 11.5.4 Italy Market Forecast
 - 11.5.5 Russia Market Forecast
 - 11.5.6 Spain Market Forecast
- 11.6 Middle East & Africa Forecast by Countries
 - 11.6.1 Egypt Market Forecast
 - 11.6.2 South Africa Market Forecast
 - 11.6.3 Israel Market Forecast
 - 11.6.4 Turkey Market Forecast
 - 11.6.5 GCC Countries Market Forecast
- 11.7 Global Light-emitting Diode (LED) Forecast by Type
- 11.8 Global Light-emitting Diode (LED) Forecast by Application

12 KEY PLAYERS ANALYSIS

- 12.1 Cree
 - 12.1.1 Company Details
 - 12.1.2 Light-emitting Diode (LED) Product Offered
 - 12.1.3 Cree Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)
 - 12.1.4 Main Business Overview
 - 12.1.5 Cree News

12.2 GE Lighting

12.2.1 Company Details

12.2.2 Light-emitting Diode (LED) Product Offered

12.2.3 GE Lighting Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

12.2.4 Main Business Overview

12.2.5 GE Lighting News

12.3 LG Innotek

12.3.1 Company Details

12.3.2 Light-emitting Diode (LED) Product Offered

12.3.3 LG Innotek Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

12.3.4 Main Business Overview

12.3.5 LG Innotek News

12.4 NICHIA

12.4.1 Company Details

12.4.2 Light-emitting Diode (LED) Product Offered

12.4.3 NICHIA Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

12.4.4 Main Business Overview

12.4.5 NICHIA News

12.5 OSRAM

12.5.1 Company Details

12.5.2 Light-emitting Diode (LED) Product Offered

12.5.3 OSRAM Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

12.5.4 Main Business Overview

12.5.5 OSRAM News

12.6 Philips Lighting

12.6.1 Company Details

12.6.2 Light-emitting Diode (LED) Product Offered

12.6.3 Philips Lighting Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

12.6.4 Main Business Overview

12.6.5 Philips Lighting News

12.7 Samsung Electronics

12.7.1 Company Details

12.7.2 Light-emitting Diode (LED) Product Offered

12.7.3 Samsung Electronics Light-emitting Diode (LED) Sales, Revenue, Price and

Gross Margin (2016-2018)

12.7.4 Main Business Overview

12.7.5 Samsung Electronics News

12.8 Dialight

12.8.1 Company Details

12.8.2 Light-emitting Diode (LED) Product Offered

12.8.3 Dialight Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin
(2016-2018)

12.8.4 Main Business Overview

12.8.5 Dialight News

12.9 Eaton

12.9.1 Company Details

12.9.2 Light-emitting Diode (LED) Product Offered

12.9.3 Eaton Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin
(2016-2018)

12.9.4 Main Business Overview

12.9.5 Eaton News

12.10 Emerson

12.10.1 Company Details

12.10.2 Light-emitting Diode (LED) Product Offered

12.10.3 Emerson Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin
(2016-2018)

12.10.4 Main Business Overview

12.10.5 Emerson News

12.11 Everlight Electronics

12.12 Seoul Semiconductor

12.13 Toyoda Gosei

13 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES AND FIGURES

- Figure Picture of Light-emitting Diode (LED)
- Table Product Specifications of Light-emitting Diode (LED)
- Figure Light-emitting Diode (LED) Report Years Considered
- Figure Market Research Methodology
- Figure Global Light-emitting Diode (LED) Consumption Growth Rate 2013-2023 (K Units)
- Figure Global Light-emitting Diode (LED) Value Growth Rate 2013-2023 (\$ Millions)
- Table Light-emitting Diode (LED) Consumption CAGR by Region 2013-2023 (\$ Millions)
- Figure Product Picture of Ultraviolet LED
- Table Major Players of Ultraviolet LED
- Figure Product Picture of Polymer LED
- Table Major Players of Polymer LED
- Figure Product Picture of Organic LED
- Table Major Players of Organic LED
- Figure Product Picture of Basic LED
- Table Major Players of Basic LED
- Figure Product Picture of High Brightness LED
- Table Major Players of High Brightness LED
- Table Global Consumption Sales by Type (2013-2018)
- Table Global Light-emitting Diode (LED) Consumption Market Share by Type (2013-2018)
- Figure Global Light-emitting Diode (LED) Consumption Market Share by Type (2013-2018)
- Table Global Light-emitting Diode (LED) Revenue by Type (2013-2018) (\$ million)
- Table Global Light-emitting Diode (LED) Value Market Share by Type (2013-2018) (\$ Millions)
- Figure Global Light-emitting Diode (LED) Value Market Share by Type (2013-2018)
- Table Global Light-emitting Diode (LED) Sale Price by Type (2013-2018)
- Figure Light-emitting Diode (LED) Consumed in General lighting
- Figure Global Light-emitting Diode (LED) Market: General lighting (2013-2018) (K Units)
- Figure Global Light-emitting Diode (LED) Market: General lighting (2013-2018) (\$ Millions)
- Figure Global General lighting YoY Growth (\$ Millions)
- Figure Light-emitting Diode (LED) Consumed in Backlighting
- Figure Global Light-emitting Diode (LED) Market: Backlighting (2013-2018) (K Units)

Figure Global Light-emitting Diode (LED) Market: Backlighting (2013-2018) (\$ Millions)
Figure Global Backlighting YoY Growth (\$ Millions)
Figure Light-emitting Diode (LED) Consumed in Signals and signage
Figure Global Light-emitting Diode (LED) Market: Signals and signage (2013-2018) (K Units)
Figure Global Light-emitting Diode (LED) Market: Signals and signage (2013-2018) (\$ Millions)
Figure Global Signals and signage YoY Growth (\$ Millions)
Figure Light-emitting Diode (LED) Consumed in Mobile Devices
Figure Global Light-emitting Diode (LED) Market: Mobile Devices (2013-2018) (K Units)
Figure Global Light-emitting Diode (LED) Market: Mobile Devices (2013-2018) (\$ Millions)
Figure Global Mobile Devices YoY Growth (\$ Millions)
Figure Light-emitting Diode (LED) Consumed in Automotive
Figure Global Light-emitting Diode (LED) Market: Automotive (2013-2018) (K Units)
Figure Global Light-emitting Diode (LED) Market: Automotive (2013-2018) (\$ Millions)
Figure Global Automotive YoY Growth (\$ Millions)
Figure Light-emitting Diode (LED) Consumed in Others Applications
Table Global Consumption Sales by Application (2013-2018)
Table Global Light-emitting Diode (LED) Consumption Market Share by Application (2013-2018)
Figure Global Light-emitting Diode (LED) Consumption Market Share by Application (2013-2018)
Table Global Light-emitting Diode (LED) Value by Application (2013-2018)
Table Global Light-emitting Diode (LED) Value Market Share by Application (2013-2018)
Figure Global Light-emitting Diode (LED) Value Market Share by Application (2013-2018)
Table Global Light-emitting Diode (LED) Sale Price by Application (2013-2018)
Table Global Light-emitting Diode (LED) Sales by Players (2016-2018) (K Units)
Table Global Light-emitting Diode (LED) Sales Market Share by Players (2016-2018)
Figure Global Light-emitting Diode (LED) Sales Market Share by Players in 2016
Figure Global Light-emitting Diode (LED) Sales Market Share by Players in 2017
Table Global Light-emitting Diode (LED) Revenue by Players (2016-2018) (\$ Millions)
Table Global Light-emitting Diode (LED) Revenue Market Share by Players (2016-2018)
Figure Global Light-emitting Diode (LED) Revenue Market Share by Players in 2016
Figure Global Light-emitting Diode (LED) Revenue Market Share by Players in 2017
Table Global Light-emitting Diode (LED) Sale Price by Players (2016-2018)
Figure Global Light-emitting Diode (LED) Sale Price by Players in 2017

Table Global Light-emitting Diode (LED) Manufacturing Base Distribution and Sales Area by Players

Table Players Light-emitting Diode (LED) Products Offered

Table Light-emitting Diode (LED) Concentration Ratio (CR3, CR5 and CR10) (2016-2018)

Table Global Light-emitting Diode (LED) Consumption by Regions 2013-2018 (K Units)

Table Global Light-emitting Diode (LED) Consumption Market Share by Regions 2013-2018

Figure Global Light-emitting Diode (LED) Consumption Market Share by Regions 2013-2018

Table Global Light-emitting Diode (LED) Value by Regions 2013-2018 (\$ Millions)

Table Global Light-emitting Diode (LED) Value Market Share by Regions 2013-2018

Figure Global Light-emitting Diode (LED) Value Market Share by Regions 2013-2018

Figure Americas Light-emitting Diode (LED) Consumption 2013-2018 (K Units)

Figure Americas Light-emitting Diode (LED) Value 2013-2018 (\$ Millions)

Figure APAC Light-emitting Diode (LED) Consumption 2013-2018 (K Units)

Figure APAC Light-emitting Diode (LED) Value 2013-2018 (\$ Millions)

Figure Europe Light-emitting Diode (LED) Consumption 2013-2018 (K Units)

Figure Europe Light-emitting Diode (LED) Value 2013-2018 (\$ Millions)

Figure Middle East & Africa Light-emitting Diode (LED) Consumption 2013-2018 (K Units)

Figure Middle East & Africa Light-emitting Diode (LED) Value 2013-2018 (\$ Millions)

Table Americas Light-emitting Diode (LED) Consumption by Countries (2013-2018) (K Units)

Table Americas Light-emitting Diode (LED) Consumption Market Share by Countries (2013-2018)

Figure Americas Light-emitting Diode (LED) Consumption Market Share by Countries in 2017

Table Americas Light-emitting Diode (LED) Value by Countries (2013-2018) (\$ Millions)

Table Americas Light-emitting Diode (LED) Value Market Share by Countries (2013-2018)

Figure Americas Light-emitting Diode (LED) Value Market Share by Countries in 2017

Table Americas Light-emitting Diode (LED) Consumption by Type (2013-2018) (K Units)

Table Americas Light-emitting Diode (LED) Consumption Market Share by Type (2013-2018)

Figure Americas Light-emitting Diode (LED) Consumption Market Share by Type in 2017

Table Americas Light-emitting Diode (LED) Consumption by Application (2013-2018) (K Units)

Table Americas Light-emitting Diode (LED) Consumption Market Share by Application (2013-2018)

Figure Americas Light-emitting Diode (LED) Consumption Market Share by Application in 2017

Figure United States Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure United States Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Canada Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Canada Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Mexico Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Mexico Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Table APAC Light-emitting Diode (LED) Consumption by Countries (2013-2018) (K Units)

Table APAC Light-emitting Diode (LED) Consumption Market Share by Countries (2013-2018)

Figure APAC Light-emitting Diode (LED) Consumption Market Share by Countries in 2017

Table APAC Light-emitting Diode (LED) Value by Countries (2013-2018) (\$ Millions)

Table APAC Light-emitting Diode (LED) Value Market Share by Countries (2013-2018)

Figure APAC Light-emitting Diode (LED) Value Market Share by Countries in 2017

Table APAC Light-emitting Diode (LED) Consumption by Type (2013-2018) (K Units)

Table APAC Light-emitting Diode (LED) Consumption Market Share by Type (2013-2018)

Figure APAC Light-emitting Diode (LED) Consumption Market Share by Type in 2017

Table APAC Light-emitting Diode (LED) Consumption by Application (2013-2018) (K Units)

Table APAC Light-emitting Diode (LED) Consumption Market Share by Application (2013-2018)

Figure APAC Light-emitting Diode (LED) Consumption Market Share by Application in 2017

Figure China Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure China Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Japan Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Japan Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Korea Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Korea Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Southeast Asia Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Southeast Asia Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure India Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure India Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Australia Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Australia Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Table Europe Light-emitting Diode (LED) Consumption by Countries (2013-2018) (K Units)

Table Europe Light-emitting Diode (LED) Consumption Market Share by Countries (2013-2018)

Figure Europe Light-emitting Diode (LED) Consumption Market Share by Countries in 2017

Table Europe Light-emitting Diode (LED) Value by Countries (2013-2018) (\$ Millions)

Table Europe Light-emitting Diode (LED) Value Market Share by Countries (2013-2018)

Figure Europe Light-emitting Diode (LED) Value Market Share by Countries in 2017

Table Europe Light-emitting Diode (LED) Consumption by Type (2013-2018) (K Units)

Table Europe Light-emitting Diode (LED) Consumption Market Share by Type (2013-2018)

Figure Europe Light-emitting Diode (LED) Consumption Market Share by Type in 2017

Table Europe Light-emitting Diode (LED) Consumption by Application (2013-2018) (K Units)

Table Europe Light-emitting Diode (LED) Consumption Market Share by Application (2013-2018)

Figure Europe Light-emitting Diode (LED) Consumption Market Share by Application in 2017

Figure Germany Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Germany Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure France Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure France Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure UK Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure UK Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Italy Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Italy Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Russia Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Russia Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Spain Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Spain Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Table Middle East & Africa Light-emitting Diode (LED) Consumption by Countries (2013-2018) (K Units)

Table Middle East & Africa Light-emitting Diode (LED) Consumption Market Share by Countries (2013-2018)

Figure Middle East & Africa Light-emitting Diode (LED) Consumption Market Share by Countries in 2017

Table Middle East & Africa Light-emitting Diode (LED) Value by Countries (2013-2018) (\$ Millions)

Table Middle East & Africa Light-emitting Diode (LED) Value Market Share by Countries (2013-2018)

Figure Middle East & Africa Light-emitting Diode (LED) Value Market Share by Countries in 2017

Table Middle East & Africa Light-emitting Diode (LED) Consumption by Type (2013-2018) (K Units)

Table Middle East & Africa Light-emitting Diode (LED) Consumption Market Share by Type (2013-2018)

Figure Middle East & Africa Light-emitting Diode (LED) Consumption Market Share by Type in 2017

Table Middle East & Africa Light-emitting Diode (LED) Consumption by Application (2013-2018) (K Units)

Table Middle East & Africa Light-emitting Diode (LED) Consumption Market Share by Application (2013-2018)

Figure Middle East & Africa Light-emitting Diode (LED) Consumption Market Share by Application in 2017

Figure Egypt Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Egypt Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure South Africa Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure South Africa Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Israel Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Israel Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure Turkey Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure Turkey Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Figure GCC Countries Light-emitting Diode (LED) Consumption Growth 2013-2018 (K Units)

Figure GCC Countries Light-emitting Diode (LED) Value Growth 2013-2018 (\$ Millions)

Table Light-emitting Diode (LED) Distributors List

Table Light-emitting Diode (LED) Customer List

Figure Global Light-emitting Diode (LED) Consumption Growth Rate Forecast (2018-2023) (K Units)

Figure Global Light-emitting Diode (LED) Value Growth Rate Forecast (2018-2023) (\$ Millions)

Table Global Light-emitting Diode (LED) Consumption Forecast by Countries

(2018-2023) (K Units)

Table Global Light-emitting Diode (LED) Consumption Market Forecast by Regions

Table Global Light-emitting Diode (LED) Value Forecast by Countries (2018-2023) (\$ Millions)

Table Global Light-emitting Diode (LED) Value Market Share Forecast by Regions

Figure Americas Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Americas Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure APAC Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure APAC Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Europe Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Europe Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Middle East & Africa Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Middle East & Africa Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure United States Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure United States Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Canada Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Canada Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Mexico Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Mexico Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Brazil Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Brazil Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure China Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure China Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Japan Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Japan Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Korea Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Korea Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Southeast Asia Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Southeast Asia Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure India Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure India Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Australia Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Australia Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Germany Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Germany Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure France Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure France Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure UK Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure UK Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Italy Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Italy Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Russia Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Russia Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Spain Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Spain Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Egypt Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Egypt Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure South Africa Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure South Africa Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Israel Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Israel Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure Turkey Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure Turkey Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Figure GCC Countries Light-emitting Diode (LED) Consumption 2018-2023 (K Units)

Figure GCC Countries Light-emitting Diode (LED) Value 2018-2023 (\$ Millions)

Table Global Light-emitting Diode (LED) Consumption Forecast by Type (2018-2023) (K Units)

Table Global Light-emitting Diode (LED) Consumption Market Share Forecast by Type (2018-2023)

Table Global Light-emitting Diode (LED) Value Forecast by Type (2018-2023) (\$ Millions)

Table Global Light-emitting Diode (LED) Value Market Share Forecast by Type (2018-2023)

Table Global Light-emitting Diode (LED) Consumption Forecast by Application (2018-2023) (K Units)

Table Global Light-emitting Diode (LED) Consumption Market Share Forecast by Application (2018-2023)

Table Global Light-emitting Diode (LED) Value Forecast by Application (2018-2023) (\$ Millions)

Table Global Light-emitting Diode (LED) Value Market Share Forecast by Application (2018-2023)

Table Cree Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Cree Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Cree Light-emitting Diode (LED) Market Share (2016-2018)

Table GE Lighting Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table GE Lighting Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure GE Lighting Light-emitting Diode (LED) Market Share (2016-2018)

Table LG Innotek Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table LG Innotek Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure LG Innotek Light-emitting Diode (LED) Market Share (2016-2018)

Table NICHIA Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table NICHIA Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure NICHIA Light-emitting Diode (LED) Market Share (2016-2018)

Table OSRAM Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table OSRAM Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure OSRAM Light-emitting Diode (LED) Market Share (2016-2018)

Table Philips Lighting Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Philips Lighting Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Philips Lighting Light-emitting Diode (LED) Market Share (2016-2018)

Table Samsung Electronics Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Samsung Electronics Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Samsung Electronics Light-emitting Diode (LED) Market Share (2016-2018)

Table Dialight Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Dialight Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Dialight Light-emitting Diode (LED) Market Share (2016-2018)

Table Eaton Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Eaton Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Eaton Light-emitting Diode (LED) Market Share (2016-2018)

Table Emerson Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Emerson Light-emitting Diode (LED) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Emerson Light-emitting Diode (LED) Market Share (2016-2018)

Table Everlight Electronics Basic Information, Manufacturing Base, Sales Area and Its

Competitors

Table Seoul Semiconductor Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Toyota Gosei Basic Information, Manufacturing Base, Sales Area and Its Competitors

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