

LED Driver Market: Trends, Opportunities and Competitive Analysis [2024-2030]

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Abstracts

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LED Driver Market Trends and Forecast

The future of the global LED driver market looks attractive with opportunities in the residential, commercial, industrial, backlight, and automotive lighting sector. The global LED driver market is expected to reach an estimated \$43.6 billion by 2030 with a CAGR of 15.7% from 2024 to 2030. The major drivers for this market are increasing building and construction activities, favorable government regulation for energy efficiency, and increasing adoption of LED lightings in emerging countries.

Emerging Trends in the LED Driver Market

Emerging trends, which have a direct impact on the dynamics of the industry, including the development of visible light communication (VLC) led drivers and development of color tunable LED driver.

A total of 113 figures / charts and 98 tables are provided in this 183-page report to help in your business decisions. Sample figures with insights are shown below.

LED Driver Market by Segment

The study includes trends and forecast for the global LED driver market by supply type, luminaire type, application, and region as follows:

By Supply Type [\$M shipment analysis from 2018 to 2030]:

Constant Current

Constant Voltage

By Luminaire Type [\$M shipment analysis from 2018 to 2030]:

Type A Lamp

Decorative Lamp

T Lamp

Reflectors

Others

By Application [\$M shipment analysis from 2018 to 2030]:

General lighting

o Residential

o Offices

o Shops

o Hospitality

o Outdoor

o Industrial

o Architectural

Automotive Lighting

- o Headlamps
- o Daytime Running Lights (DRLs)
- o Sidelights
- o Rear Lights
- o Interior

Backlighting

- o LCD TV
- o Monitor
- o Portable PCs
- o Handhelds

By Region [\$M shipment analysis for 2018 to 2030]:

North America

- o United States
- o Canada
- o Mexico

Europe

- o United Kingdom
- o Germany

- o France

- o Switzerland

 - Asia Pacific

- o China

- o Japan

- o India

 - The Rest of the World

List of LED Driver Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies LED Driver companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the LED Driver companies profiled in this report includes.

 - Texas Instruments

 - Toshiba Semiconductor

 - STMicroelectronics

 - ON Semiconductor

 - ROHM Semiconductor.

 - Osram GmbH

 - Power Integration

STMicroelectronics

Microchip Technology

Taiwan Semiconductor

Infineon Technologies

LED Driver Market Insight

Lucintel forecast that constant current LED driver will remain the largest supply type; it is also expected to witness the highest growth due to ability to provide consistent brightness with lower power consumption and increasing demand in LED backlighting and general lighting applications.

General lighting segment will remain the largest market; it is also expected to witness highest growth rate due to increasing demand for energy-efficient products in residential and commercial lighting, increasing usage of the LED driver for building and lighting management system, and decreasing price of LEDs.

Asia Pacific is expected to remain the largest region; it is also expected to witness highest growth over the forecast period due to increasing penetration of LED lighting in automotive and building & construction industry. Production and consumption of LED lighting in China is highest; modernization of infrastructure is expected to propel the demand for lighting products in China.

Features of LED Driver Market

Market Size Estimates: LED driver market size estimation in terms of value (\$M)

Trend and Forecast Analysis: Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

Segmentation Analysis: Market size by various segments, such as supply type, luminaire, and application in terms of value

Regional Analysis: LED driver market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in supply type, luminaire, and application, and regions for the video game market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the LED driver market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the LED driver market size?

Answer: The global LED driver market is expected to reach an estimated \$43.6 billion by 2030.

Q2. What is the growth forecast for LED driver market?

Answer: The LED driver market is expected to grow at a CAGR of 15.7% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the LED driver market?

Answer: The major drivers for this market are increasing building and construction activities, favorable government regulation for energy efficiency, and increasing adoption of LED lightings in emerging countries.

Q4. What are the major applications or end use industries for LED driver?

Answer: General lighting segment will remain the largest market; it is also expected to witness highest growth rate due to increasing demand for energy-efficient products in residential and commercial lighting, increasing usage of the LED driver for building and lighting management system, and decreasing price of LEDs.

Q5. What are the emerging trends in LED driver market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, including the development of visible light communication (VLC) led drivers and development of color tunable LED driver.

Q6. Who are the key LED driver companies?

Answer: Some of the key LED driver companies are as follows:

Texas Instruments

Toshiba Semiconductor

STMicroelectronics

ON Semiconductor

ROHM Semiconductor.

Osram GmbH

Power Integration

STMicroelectronics

Microchip Technology

Taiwan Semiconductor

Infineon Technologies

Q7. Which LED driver supply type segment will be the largest in future?

Answer: Lucintel forecast that constant current LED driver will remain the largest supply type; it is also expected to witness the highest growth due to ability to provide consistent brightness with lower power consumption and increasing demand in LED backlighting and general lighting applications.

Q8: In LED driver market, which region is expected to be the largest in next 5 years?

Answer:Asia Pacific is expected to remain the largest region and witness the highest growth over next 5 years.

Q9. Do we receive customization in this report?

Answer:Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising, high-growth opportunities for the global LED driver market by supply type (constant current and constant voltage), by luminaire type (type A lamp, decorative lamp, T lamp, reflectors and others), by applications (general lighting, automotive lighting and backlighting) and by region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to LED driver market or related to LED driver market share, LED driver market analysis, and LED driver market size, write to Lucintel analysts at helpdesk@lucintel.com. We will be glad to get back to you soon.

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