

Asia Pacific LED Driver Market (2019-2025)

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Abstracts

The Asia Pacific LED Driver Market would witness market growth of 17.5% CAGR during the forecast period (2019-2025). Over the past few years, LEDs have emerged as the energy-efficient alternative to traditional light sources. This emergence has resulted in a widening demand for lighting and display segments across multiple industries. Because of their advantages like longer life, higher energy consumption, miniaturization, lower heat intensity and directionality, LED lighting replaces conventional lighting products. Advancements in technology in lighting components have encouraged energy efficiency and higher performance, thereby increasing the demand for the product. Increasing penetration of LED lighting in different applications, like outdoor, automotive, industrial, and horticultural applications, has also resulted in an increased demand for the product.

The LEDs provide low voltage and protection Individual LED bulbs work at voltages varying from approximately 1.5 to 3.5 volts and up to a maximum of 30mA. In series and parallel combinations, the domestic bulbs consist of several bulbs requiring a total voltage of between 12 and 24 V DC. The LED driver fixes the AC and decreases the level to meet the requirements. This implies conversion to the appropriate low DC voltage the high AC mains voltage ranging from 120 Volts to 277 Volts. The LED drivers secure the LED bulbs from variations in current and voltage. The drivers make sure that the voltage and current of the LED bulbs remain within the operating range of the LEDs irrespective of fluctuating supply of the mains. The protection prevents having excessive voltage or current that would degrade the LEDs or excessively low light output.

Based on Application, the market is segmented into Consumer Electronics, Lighting, Automotive and Others. Based on Supply Type, the market is segmented into Constant Current LED Driver and Constant Voltage LED Driver. Based on countries, the market is segmented into China, Japan, India, South Korea, Singapore, Malaysia, and Rest of Asia Pacific.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include ON Semiconductor Corporation, Koninklijke Philips N.V., Texas Instruments, Inc., Maxim Integrated Products, Inc., Rohm Semiconductors Co., Ltd., General Electric (GE) Co., Infineon Technologies AG, NXP Semiconductors N.V., STMicroelectronics N.V. and Toshiba Corporation.

Scope of the Study

Market Segmentation:

By Supply Type

- Constant Current LED Driver

- Constant Voltage LED Driver

By Application

- Consumer Electronics

- Lighting

- Automotive

- Others

By Country

- China

- Japan

- India

- South Korea

Singapore

Malaysia

Rest of Asia Pacific

Companies Profiled

ON Semiconductor Corporation

Koninklijke Philips N.V.

Texas Instruments, Inc.

Maxim Integrated Products, Inc.

Rohm Semiconductors Co., Ltd.

General Electric (GE) Co.

Infineon Technologies AG

NXP Semiconductors N.V.

STMicroelectronics N.V.

Toshiba Corporation

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