

# Global Parallel Backlight LED Driver Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Parallel Backlight LED Driver market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Parallel backlight LED driver is a circuit used to control multiple LED strings, which can ensure that the voltage of each string is equal, so as to achieve uniform backlighting. Parallel backlight LED drivers are usually used for backlighting LCD screens, such as TVs, tablets, laptops, etc. Parallel backlight LED drive has the following advantages: It can improve system stability and reliability, and avoid the failure of a single LED string from affecting other strings. The drive current can be reduced, reducing power consumption and heat dissipation. Can simplify circuit design, reduce component count and cost. The principle of parallel backlight LED driving is to use a constant voltage source or a constant current source to provide a fixed reference voltage or current, and distribute it to each LED string through components such as resistors or inductors. This can ensure that the voltage or current of each LED string is consistent with the reference value, and will not be affected by factors such as LED forward voltage drop, temperature, and aging. There are many ways to realize parallel backlight LED driving, for example: using a constant voltage source as a reference voltage and distributing the current through resistors. Use a constant current source as the reference current and distribute the voltage through the inductor. The integrated circuit chip is used as a dedicated backlight LED driver, and the constant voltage or constant current control function of multiple channels is integrated inside.

This report studies the global Parallel Backlight LED Driver production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Parallel

Backlight LED Driver, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Parallel Backlight LED Driver that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Parallel Backlight LED Driver total production and demand, 2018-2029, (K Units)

Global Parallel Backlight LED Driver total production value, 2018-2029, (USD Million)

Global Parallel Backlight LED Driver production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Parallel Backlight LED Driver consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Parallel Backlight LED Driver domestic production, consumption, key domestic manufacturers and share

Global Parallel Backlight LED Driver production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Parallel Backlight LED Driver production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Parallel Backlight LED Driver production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Parallel Backlight LED Driver market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Analog Devices, Texas Instruments, ROHM, Brilliance Technology Co.,Ltd., Macroblock, Thorlabs, Infineon Technologies, STMicroelectronics and NXP Semiconductors, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Parallel Backlight LED Driver market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Parallel Backlight LED Driver Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Parallel Backlight LED Driver Market, Segmentation by Type

Constant Current Source Type

Constant Voltage Source Type

Global Parallel Backlight LED Driver Market, Segmentation by Application

Automobile Industry

LED Industry

Others

#### Companies Profiled:

Analog Devices

Texas Instruments

ROHM

Brilliance Technology Co.,Ltd.

Macroblock

Thorlabs

Infineon Technologies

STMicroelectronics

NXP Semiconductors

ON Semiconductor

Renesas Electronics

Qualcomm

Silicon Labs

Cirrus Logic

#### Key Questions Answered

1. How big is the global Parallel Backlight LED Driver market?
2. What is the demand of the global Parallel Backlight LED Driver market?
3. What is the year over year growth of the global Parallel Backlight LED Driver market?
4. What is the production and production value of the global Parallel Backlight LED Driver market?
5. Who are the key producers in the global Parallel Backlight LED Driver market?

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