

# Global Micro Light Emitting Diode (LED) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Micro Light Emitting Diode (LED) market size was valued at USD 977.5 million in 2023 and is forecast to a readjusted size of USD 8656.1 million by 2030 with a CAGR of 36.6% during review period.

Micro-LED, also known as microLED, mLED or  $\mu$ LED, is an emerging flat panel display technology. Micro-LED displays consist of arrays of microscopic LEDs forming the individual pixel elements. When compared to the widespread LCD technology, Micro-LED displays offer better contrast, response times, and energy efficiency.

Along with OLEDs, Micro-LED are primarily aimed at small, low-energy devices such as smartwatches and smartphones. OLED and Micro-LED both offer greatly reduced energy requirements compared to conventional LCD systems. Unlike OLED, Micro-LED is based on conventional GaN LED technology, which offers far higher total brightness than OLED produces, as much as 30 times, as well as higher efficiency in terms of lux/W.

Micro-LEDs are still too expensive and not ready for mass production yet-even after years of R&D.

Samsung and Apple have been pushing Micro LED technology, which makes the industry look forward to its development prospects, many companies have entered. For example: Plessey Semiconductors, AU Optronics, LG Display, Lumiode, etc. At present, Samsung technology is relatively leading.

Asia-Pacific is the largest consumption place, with a consumption market share nearly 52% in 2019. Following Asia-Pacific, North America is the second largest consumption place with the consumption market share of 44%.

Nowadays, there are five mainly applications of Micro-LED, including Cellphone, Wearable Watch Device, AR/VR, TV and Others. And Cellphone is the main application for Micro-LED, with 59% of global sales volume.

The Global Info Research report includes an overview of the development of the Micro Light Emitting Diode (LED) industry chain, the market status of Cellphone (Small Sized Panels, Medium Sized Panels), Wearable Watch Device (Small Sized Panels, Medium Sized Panels), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Micro Light Emitting Diode (LED).

Regionally, the report analyzes the Micro Light Emitting Diode (LED) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Micro Light Emitting Diode (LED) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Micro Light Emitting Diode (LED) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Micro Light Emitting Diode (LED) industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Small Sized Panels, Medium Sized Panels).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Micro Light Emitting Diode (LED) market.

**Regional Analysis:** The report involves examining the Micro Light Emitting Diode (LED) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Micro Light Emitting Diode (LED) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Micro Light Emitting Diode (LED):

**Company Analysis:** Report covers individual Micro Light Emitting Diode (LED) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Micro Light Emitting Diode (LED). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Cellphone, Wearable Watch Device).

**Technology Analysis:** Report covers specific technologies relevant to Micro Light Emitting Diode (LED). It assesses the current state, advancements, and potential future developments in Micro Light Emitting Diode (LED) areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Micro Light Emitting Diode (LED) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Micro Light Emitting Diode (LED) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and

value.

#### Market segment by Type

Small Sized Panels

Medium Sized Panels

Large Size Panels

#### Market segment by Application

Cellphone

Wearable Watch Device

AR/VR

TV

Others

#### Major players covered

Samsung Electronics

Apple

Sony

Jbd

Lumens

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Micro Light Emitting Diode (LED) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Micro Light Emitting Diode (LED), with price, sales, revenue and global market share of Micro Light Emitting Diode (LED) from 2019 to 2024.

Chapter 3, the Micro Light Emitting Diode (LED) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Micro Light Emitting Diode (LED) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Micro Light Emitting Diode (LED) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Micro Light Emitting Diode (LED).

Chapter 14 and 15, to describe Micro Light Emitting Diode (LED) sales channel, distributors, customers, research findings and conclusion.

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