

# GaN Micro LED Market Report: Trends, Forecast and Competitive Analysis to 2030

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## Abstracts

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### GaN Micro LED Trends and Forecast

The future of the global GaN micro LED market looks promising with opportunities in the consumer electronic, automotive, aerospace & defense, sports & entertainment, and healthcare markets. The global GaN micro LED market is expected to reach an estimated \$3,809.3 million by 2030 with a CAGR of 42.2% from 2024 to 2030. The major drivers for this market are increasing demand of near-eye display (NED) or wearable displays to experience virtual reality, rising trend of infotainment in automobiles, and constant consumer demand for improved display technologies.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

### GaN Micro LED by Segment

The study includes a forecast for the global GaN micro LED by output power, function type, end use industry, and region

GaN Micro LED Market by Output Power [Shipment Analysis by Value from 2018 to 2030]:

Low Power

Mid Power

High Power

Ultra-High Power

GaN Micro LED Market by Function Type [Shipment Analysis by Value from 2018 to 2030]:

GaN Micro LED Display

GaN Micro LED Lighting

GaN Micro LED Market by End Use Industry [Shipment Analysis by Value from 2018 to 2030]:

Consumer Electronics

Automotive

Aerospace & Defense

Sports & Entertainment

Healthcare

Others

GaN Micro LED Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

## List of GaN Micro LED 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 GaN micro LED companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the GaN micro LED companies profiled in this report include-

Plessey

Google

Microsoft

Samsung

Aledia

Leti(CEA)

Apple

Cree

Innolux Corporation

Lumiode

## GaN Micro LED Market Insights

Lucintel forecasts that low power will remain the largest segment over the forecast period because of its low power consumption, high brightness, high resolution, and fast response time.

Consumer electronics will remain the largest segment over the forecast period due to rising demand for high-resolution displays in smartphones, tablets, laptops, and televisions.

APAC will remain the fastest growing segment over the forecast period due to strong presence of display panel manufacturers and increasing investments in the development of high-end displays in the region.

## Features of the Global GaN Micro LED Market

**Market Size Estimates:** GaN micro LED market size estimation in terms of value (\$B).

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

**Segmentation Analysis:** GaN micro LED market size by various segments, such as by output power, function type, end use industry, and region in terms of value (\$B).

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

**Growth Opportunities:** Analysis of growth opportunities in different output power, function types, end use industries, and regions for the GaN micro LED market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape of the GaN micro LED market.

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

## FAQ

**Q.1** What is the GaN micro LED market size?

**Answer:** The global GaN micro LED market is expected to reach an estimated \$3,809.3 million by 2030.

**Q.2** What is the growth forecast for GaN micro LED market?

**Answer:** The global GaN micro LED market is expected to grow with a CAGR of 42.2%

from 2024 to 2030.

Q.3 What are the major drivers influencing the growth of the GaN micro LED market?

Answer: The major drivers for this market are increasing demand of near-eye display (NED) or wearable displays to experience virtual reality, rising trend of infotainment in automobiles, and constant consumer demand for improved display technologies .

Q4. What are the major segments for GaN micro LED market?

Answer: The future of the GaN micro LED market looks promising with opportunities in the consumer electronic, automotive, aerospace & defense, sports & entertainment, and healthcare markets.

Q5. Who are the key GaN micro LED market companies?

Answer: Some of the key GaN micro LED companies are as follows:

Plessey

Google

Microsoft

Samsung

Aledia

Leti(CEA)

Apple

Cree

Innolux Corporation

Lumiode

Q6. Which GaN micro LED market segment will be the largest in future?

Answer: Lucintel forecasts that low power will remain the largest segment over the forecast period because of its low power consumption, high brightness, high resolution, and fast response time.

Q7. In GaN micro LED market, which region is expected to be the largest in next 5 years?

Answer: APAC will remain the fastest growing segment over the forecast period due to strong presence of display panel manufacturers and increasing investments in the development of high-end displays in the region.

Q.8 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 GaN micro LED market by output power (low power, mid power, high power, and ultra-high power), function type (GaN micro LED display and GaN micro LED lighting), end use industry (consumer electronics, automotive, aerospace & defense, sports & entertainment, healthcare, and others), and 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 region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

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

Q.7. What are some of 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 key players pursuing for business growth?

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

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to GaN micro LED market or related to GaN micro LED companies, GaN micro LED market size, GaN micro LED market share, GaN micro LED market growth, GaN micro LED market research, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.

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- 7.8: Cree
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- 7.10: Lumiode

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