

Global Vertical LED Chip Market Research Report 2024, Forecast to 2032

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Abstracts

Report Overview

A vertical LED chip's only emitting surface is on the top of the chip, thus it has a narrower light emitting angle with more light on axis and higher on-axis intensity. The vertical die has lower thermal resistance and the vertical structure transfers heat more efficiently for better dissipation. Many standard flip-chip LEDs cannot support a high current density due to the limitations of horizontal current flow, but the vertical chip can tolerate a higher current intensity—a higher driving current. This means it can deliver higher flux per LED and higher lumen density, or “chip luminance” (the nits of the chip).

The global Vertical LED Chip market size was estimated at USD 1946 million in 2023 and is projected to reach USD 2745.89 million by 2032, exhibiting a CAGR of 3.90% during the forecast period.

North America Vertical LED Chip market size was estimated at USD 541.54 million in 2023, at a CAGR of 3.34% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global Vertical LED Chip market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the

Global Vertical LED Chip Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Vertical LED Chip market in any manner.

Global Vertical LED Chip Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Epistar

San'an Opto

Cree

OSRAM

Samsung

Toyoda Gosei

Seoul Semiconductor

Philips Lumileds

ETI

LG Innotek

NiChia

HC SemiTek

Lextar

Lattice Power

OPTO-TECH

Tyntek

Genesis Photonics

Formosa Epitaxy

Changelight

Aucksun

TongFang

Market Segmentation (by Type)

SMD

COB

Market Segmentation (by Application)

General Lighting

Automotive Lighting

Backlighting

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Vertical LED Chip Market

Overview of the regional outlook of the Vertical LED Chip Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Vertical LED Chip Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each

country in the world.

Chapter 9 shares the main producing countries of Vertical LED Chip, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Vertical LED Chip
- 1.2 Key Market Segments
 - 1.2.1 Vertical LED Chip Segment by Type
 - 1.2.2 Vertical LED Chip Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 VERTICAL LED CHIP MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Vertical LED Chip Market Size (M USD) Estimates and Forecasts (2019-2032)
 - 2.1.2 Global Vertical LED Chip Sales Estimates and Forecasts (2019-2032)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 VERTICAL LED CHIP MARKET COMPETITIVE LANDSCAPE

- 3.1 Global Vertical LED Chip Sales by Manufacturers (2019-2024)
- 3.2 Global Vertical LED Chip Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Vertical LED Chip Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Vertical LED Chip Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Vertical LED Chip Sales Sites, Area Served, Product Type
- 3.6 Vertical LED Chip Market Competitive Situation and Trends
 - 3.6.1 Vertical LED Chip Market Concentration Rate
 - 3.6.2 Global 5 and 10 Largest Vertical LED Chip Players Market Share by Revenue
 - 3.6.3 Mergers & Acquisitions, Expansion

4 VERTICAL LED CHIP INDUSTRY CHAIN ANALYSIS

- 4.1 Vertical LED Chip Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF VERTICAL LED CHIP MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 VERTICAL LED CHIP MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Vertical LED Chip Sales Market Share by Type (2019-2024)

6.3 Global Vertical LED Chip Market Size Market Share by Type (2019-2024)

6.4 Global Vertical LED Chip Price by Type (2019-2024)

7 VERTICAL LED CHIP MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Vertical LED Chip Market Sales by Application (2019-2024)

7.3 Global Vertical LED Chip Market Size (M USD) by Application (2019-2024)

7.4 Global Vertical LED Chip Sales Growth Rate by Application (2019-2024)

8 VERTICAL LED CHIP MARKET CONSUMPTION BY REGION

8.1 Global Vertical LED Chip Sales by Region

8.1.1 Global Vertical LED Chip Sales by Region

8.1.2 Global Vertical LED Chip Sales Market Share by Region

8.2 North America

8.2.1 North America Vertical LED Chip Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Vertical LED Chip Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Vertical LED Chip Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Vertical LED Chip Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Vertical LED Chip Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 VERTICAL LED CHIP MARKET PRODUCTION BY REGION

9.1 Global Production of Vertical LED Chip by Region (2019-2024)

9.2 Global Vertical LED Chip Revenue Market Share by Region (2019-2024)

9.3 Global Vertical LED Chip Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America Vertical LED Chip Production

9.4.1 North America Vertical LED Chip Production Growth Rate (2019-2024)

9.4.2 North America Vertical LED Chip Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe Vertical LED Chip Production

9.5.1 Europe Vertical LED Chip Production Growth Rate (2019-2024)

9.5.2 Europe Vertical LED Chip Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan Vertical LED Chip Production (2019-2024)

9.6.1 Japan Vertical LED Chip Production Growth Rate (2019-2024)

9.6.2 Japan Vertical LED Chip Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China Vertical LED Chip Production (2019-2024)

9.7.1 China Vertical LED Chip Production Growth Rate (2019-2024)

9.7.2 China Vertical LED Chip Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Epistar

10.1.1 Epistar Vertical LED Chip Basic Information

10.1.2 Epistar Vertical LED Chip Product Overview

10.1.3 Epistar Vertical LED Chip Product Market Performance

10.1.4 Epistar Business Overview

10.1.5 Epistar Vertical LED Chip SWOT Analysis

10.1.6 Epistar Recent Developments

10.2 San'an Opto

10.2.1 San'an Opto Vertical LED Chip Basic Information

10.2.2 San'an Opto Vertical LED Chip Product Overview

10.2.3 San'an Opto Vertical LED Chip Product Market Performance

10.2.4 San'an Opto Business Overview

10.2.5 San'an Opto Vertical LED Chip SWOT Analysis

10.2.6 San'an Opto Recent Developments

10.3 Cree

10.3.1 Cree Vertical LED Chip Basic Information

10.3.2 Cree Vertical LED Chip Product Overview

10.3.3 Cree Vertical LED Chip Product Market Performance

10.3.4 Cree Vertical LED Chip SWOT Analysis

10.3.5 Cree Business Overview

10.3.6 Cree Recent Developments

10.4 OSRAM

10.4.1 OSRAM Vertical LED Chip Basic Information

10.4.2 OSRAM Vertical LED Chip Product Overview

- 10.4.3 OSRAM Vertical LED Chip Product Market Performance
- 10.4.4 OSRAM Business Overview
- 10.4.5 OSRAM Recent Developments
- 10.5 Samsung
 - 10.5.1 Samsung Vertical LED Chip Basic Information
 - 10.5.2 Samsung Vertical LED Chip Product Overview
 - 10.5.3 Samsung Vertical LED Chip Product Market Performance
 - 10.5.4 Samsung Business Overview
 - 10.5.5 Samsung Recent Developments
- 10.6 Toyoda Gosei
 - 10.6.1 Toyoda Gosei Vertical LED Chip Basic Information
 - 10.6.2 Toyoda Gosei Vertical LED Chip Product Overview
 - 10.6.3 Toyoda Gosei Vertical LED Chip Product Market Performance
 - 10.6.4 Toyoda Gosei Business Overview
 - 10.6.5 Toyoda Gosei Recent Developments
- 10.7 Seoul Semiconductor
 - 10.7.1 Seoul Semiconductor Vertical LED Chip Basic Information
 - 10.7.2 Seoul Semiconductor Vertical LED Chip Product Overview
 - 10.7.3 Seoul Semiconductor Vertical LED Chip Product Market Performance
 - 10.7.4 Seoul Semiconductor Business Overview
 - 10.7.5 Seoul Semiconductor Recent Developments
- 10.8 Philips Lumileds
 - 10.8.1 Philips Lumileds Vertical LED Chip Basic Information
 - 10.8.2 Philips Lumileds Vertical LED Chip Product Overview
 - 10.8.3 Philips Lumileds Vertical LED Chip Product Market Performance
 - 10.8.4 Philips Lumileds Business Overview
 - 10.8.5 Philips Lumileds Recent Developments
- 10.9 ETI
 - 10.9.1 ETI Vertical LED Chip Basic Information
 - 10.9.2 ETI Vertical LED Chip Product Overview
 - 10.9.3 ETI Vertical LED Chip Product Market Performance
 - 10.9.4 ETI Business Overview
 - 10.9.5 ETI Recent Developments
- 10.10 LG Innotek
 - 10.10.1 LG Innotek Vertical LED Chip Basic Information
 - 10.10.2 LG Innotek Vertical LED Chip Product Overview
 - 10.10.3 LG Innotek Vertical LED Chip Product Market Performance
 - 10.10.4 LG Innotek Business Overview
 - 10.10.5 LG Innotek Recent Developments

10.11 NiChia

- 10.11.1 NiChia Vertical LED Chip Basic Information
- 10.11.2 NiChia Vertical LED Chip Product Overview
- 10.11.3 NiChia Vertical LED Chip Product Market Performance
- 10.11.4 NiChia Business Overview
- 10.11.5 NiChia Recent Developments

10.12 HC SemiTek

- 10.12.1 HC SemiTek Vertical LED Chip Basic Information
- 10.12.2 HC SemiTek Vertical LED Chip Product Overview
- 10.12.3 HC SemiTek Vertical LED Chip Product Market Performance
- 10.12.4 HC SemiTek Business Overview
- 10.12.5 HC SemiTek Recent Developments

10.13 Lextar

- 10.13.1 Lextar Vertical LED Chip Basic Information
- 10.13.2 Lextar Vertical LED Chip Product Overview
- 10.13.3 Lextar Vertical LED Chip Product Market Performance
- 10.13.4 Lextar Business Overview
- 10.13.5 Lextar Recent Developments

10.14 Lattice Power

- 10.14.1 Lattice Power Vertical LED Chip Basic Information
- 10.14.2 Lattice Power Vertical LED Chip Product Overview
- 10.14.3 Lattice Power Vertical LED Chip Product Market Performance
- 10.14.4 Lattice Power Business Overview
- 10.14.5 Lattice Power Recent Developments

10.15 OPTO-TECH

- 10.15.1 OPTO-TECH Vertical LED Chip Basic Information
- 10.15.2 OPTO-TECH Vertical LED Chip Product Overview
- 10.15.3 OPTO-TECH Vertical LED Chip Product Market Performance
- 10.15.4 OPTO-TECH Business Overview
- 10.15.5 OPTO-TECH Recent Developments

10.16 Tyntek

- 10.16.1 Tyntek Vertical LED Chip Basic Information
- 10.16.2 Tyntek Vertical LED Chip Product Overview
- 10.16.3 Tyntek Vertical LED Chip Product Market Performance
- 10.16.4 Tyntek Business Overview
- 10.16.5 Tyntek Recent Developments

10.17 Genesis Photonics

- 10.17.1 Genesis Photonics Vertical LED Chip Basic Information
- 10.17.2 Genesis Photonics Vertical LED Chip Product Overview

- 10.17.3 Genesis Photonics Vertical LED Chip Product Market Performance
- 10.17.4 Genesis Photonics Business Overview
- 10.17.5 Genesis Photonics Recent Developments
- 10.18 Formosa Epitaxy
 - 10.18.1 Formosa Epitaxy Vertical LED Chip Basic Information
 - 10.18.2 Formosa Epitaxy Vertical LED Chip Product Overview
 - 10.18.3 Formosa Epitaxy Vertical LED Chip Product Market Performance
 - 10.18.4 Formosa Epitaxy Business Overview
 - 10.18.5 Formosa Epitaxy Recent Developments
- 10.19 Changelight
 - 10.19.1 Changelight Vertical LED Chip Basic Information
 - 10.19.2 Changelight Vertical LED Chip Product Overview
 - 10.19.3 Changelight Vertical LED Chip Product Market Performance
 - 10.19.4 Changelight Business Overview
 - 10.19.5 Changelight Recent Developments
- 10.20 Aucksun
 - 10.20.1 Aucksun Vertical LED Chip Basic Information
 - 10.20.2 Aucksun Vertical LED Chip Product Overview
 - 10.20.3 Aucksun Vertical LED Chip Product Market Performance
 - 10.20.4 Aucksun Business Overview
 - 10.20.5 Aucksun Recent Developments
- 10.21 TongFang
 - 10.21.1 TongFang Vertical LED Chip Basic Information
 - 10.21.2 TongFang Vertical LED Chip Product Overview
 - 10.21.3 TongFang Vertical LED Chip Product Market Performance
 - 10.21.4 TongFang Business Overview
 - 10.21.5 TongFang Recent Developments

11 VERTICAL LED CHIP MARKET FORECAST BY REGION

- 11.1 Global Vertical LED Chip Market Size Forecast
- 11.2 Global Vertical LED Chip Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Vertical LED Chip Market Size Forecast by Country
 - 11.2.3 Asia Pacific Vertical LED Chip Market Size Forecast by Region
 - 11.2.4 South America Vertical LED Chip Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Consumption of Vertical LED Chip by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

12.1 Global Vertical LED Chip Market Forecast by Type (2025-2032)

12.1.1 Global Forecasted Sales of Vertical LED Chip by Type (2025-2032)

12.1.2 Global Vertical LED Chip Market Size Forecast by Type (2025-2032)

12.1.3 Global Forecasted Price of Vertical LED Chip by Type (2025-2032)

12.2 Global Vertical LED Chip Market Forecast by Application (2025-2032)

12.2.1 Global Vertical LED Chip Sales (K Units) Forecast by Application

12.2.2 Global Vertical LED Chip Market Size (M USD) Forecast by Application
(2025-2032)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type
Table 2. Introduction of the Application
Table 3. Market Size (M USD) Segment Executive Summary
Table 4. Vertical LED Chip Market Size Comparison by Region (M USD)
Table 5. Global Vertical LED Chip Sales (K Units) by Manufacturers (2019-2024)
Table 6. Global Vertical LED Chip Sales Market Share by Manufacturers (2019-2024)
Table 7. Global Vertical LED Chip Revenue (M USD) by Manufacturers (2019-2024)
Table 8. Global Vertical LED Chip Revenue Share by Manufacturers (2019-2024)
Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Vertical LED Chip as of 2022)
Table 10. Global Market Vertical LED Chip Average Price (USD/Unit) of Key Manufacturers (2019-2024)
Table 11. Manufacturers Vertical LED Chip Sales Sites and Area Served
Table 12. Manufacturers Vertical LED Chip Product Type
Table 13. Global Vertical LED Chip Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 14. Mergers & Acquisitions, Expansion Plans
Table 15. Industry Chain Map of Vertical LED Chip
Table 16. Market Overview of Key Raw Materials
Table 17. Midstream Market Analysis
Table 18. Downstream Customer Analysis
Table 19. Key Development Trends
Table 20. Driving Factors
Table 21. Vertical LED Chip Market Challenges
Table 22. Global Vertical LED Chip Sales by Type (K Units)
Table 23. Global Vertical LED Chip Market Size by Type (M USD)
Table 24. Global Vertical LED Chip Sales (K Units) by Type (2019-2024)
Table 25. Global Vertical LED Chip Sales Market Share by Type (2019-2024)
Table 26. Global Vertical LED Chip Market Size (M USD) by Type (2019-2024)
Table 27. Global Vertical LED Chip Market Size Share by Type (2019-2024)
Table 28. Global Vertical LED Chip Price (USD/Unit) by Type (2019-2024)
Table 29. Global Vertical LED Chip Sales (K Units) by Application
Table 30. Global Vertical LED Chip Market Size by Application
Table 31. Global Vertical LED Chip Sales by Application (2019-2024) & (K Units)
Table 32. Global Vertical LED Chip Sales Market Share by Application (2019-2024)

Table 33. Global Vertical LED Chip Sales by Application (2019-2024) & (M USD)
Table 34. Global Vertical LED Chip Market Share by Application (2019-2024)
Table 35. Global Vertical LED Chip Sales Growth Rate by Application (2019-2024)
Table 36. Global Vertical LED Chip Sales by Region (2019-2024) & (K Units)
Table 37. Global Vertical LED Chip Sales Market Share by Region (2019-2024)
Table 38. North America Vertical LED Chip Sales by Country (2019-2024) & (K Units)
Table 39. Europe Vertical LED Chip Sales by Country (2019-2024) & (K Units)
Table 40. Asia Pacific Vertical LED Chip Sales by Region (2019-2024) & (K Units)
Table 41. South America Vertical LED Chip Sales by Country (2019-2024) & (K Units)
Table 42. Middle East and Africa Vertical LED Chip Sales by Region (2019-2024) & (K Units)
Table 43. Global Vertical LED Chip Production (K Units) by Region (2019-2024)
Table 44. Global Vertical LED Chip Revenue (US\$ Million) by Region (2019-2024)
Table 45. Global Vertical LED Chip Revenue Market Share by Region (2019-2024)
Table 46. Global Vertical LED Chip Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 47. North America Vertical LED Chip Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 48. Europe Vertical LED Chip Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 49. Japan Vertical LED Chip Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 50. China Vertical LED Chip Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 51. Epistar Vertical LED Chip Basic Information
Table 52. Epistar Vertical LED Chip Product Overview
Table 53. Epistar Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 54. Epistar Business Overview
Table 55. Epistar Vertical LED Chip SWOT Analysis
Table 56. Epistar Recent Developments
Table 57. San'an Opto Vertical LED Chip Basic Information
Table 58. San'an Opto Vertical LED Chip Product Overview
Table 59. San'an Opto Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 60. San'an Opto Business Overview
Table 61. San'an Opto Vertical LED Chip SWOT Analysis
Table 62. San'an Opto Recent Developments
Table 63. Cree Vertical LED Chip Basic Information

Table 64. Cree Vertical LED Chip Product Overview
Table 65. Cree Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 66. Cree Vertical LED Chip SWOT Analysis
Table 67. Cree Business Overview
Table 68. Cree Recent Developments
Table 69. OSRAM Vertical LED Chip Basic Information
Table 70. OSRAM Vertical LED Chip Product Overview
Table 71. OSRAM Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 72. OSRAM Business Overview
Table 73. OSRAM Recent Developments
Table 74. Samsung Vertical LED Chip Basic Information
Table 75. Samsung Vertical LED Chip Product Overview
Table 76. Samsung Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 77. Samsung Business Overview
Table 78. Samsung Recent Developments
Table 79. Toyoda Gosei Vertical LED Chip Basic Information
Table 80. Toyoda Gosei Vertical LED Chip Product Overview
Table 81. Toyoda Gosei Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 82. Toyoda Gosei Business Overview
Table 83. Toyoda Gosei Recent Developments
Table 84. Seoul Semiconductor Vertical LED Chip Basic Information
Table 85. Seoul Semiconductor Vertical LED Chip Product Overview
Table 86. Seoul Semiconductor Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 87. Seoul Semiconductor Business Overview
Table 88. Seoul Semiconductor Recent Developments
Table 89. Philips Lumileds Vertical LED Chip Basic Information
Table 90. Philips Lumileds Vertical LED Chip Product Overview
Table 91. Philips Lumileds Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 92. Philips Lumileds Business Overview
Table 93. Philips Lumileds Recent Developments
Table 94. ETI Vertical LED Chip Basic Information
Table 95. ETI Vertical LED Chip Product Overview
Table 96. ETI Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit)

and Gross Margin (2019-2024)

Table 97. ETI Business Overview

Table 98. ETI Recent Developments

Table 99. LG Innotek Vertical LED Chip Basic Information

Table 100. LG Innotek Vertical LED Chip Product Overview

Table 101. LG Innotek Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. LG Innotek Business Overview

Table 103. LG Innotek Recent Developments

Table 104. NiChia Vertical LED Chip Basic Information

Table 105. NiChia Vertical LED Chip Product Overview

Table 106. NiChia Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 107. NiChia Business Overview

Table 108. NiChia Recent Developments

Table 109. HC SemiTek Vertical LED Chip Basic Information

Table 110. HC SemiTek Vertical LED Chip Product Overview

Table 111. HC SemiTek Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 112. HC SemiTek Business Overview

Table 113. HC SemiTek Recent Developments

Table 114. Lextar Vertical LED Chip Basic Information

Table 115. Lextar Vertical LED Chip Product Overview

Table 116. Lextar Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 117. Lextar Business Overview

Table 118. Lextar Recent Developments

Table 119. Lattice Power Vertical LED Chip Basic Information

Table 120. Lattice Power Vertical LED Chip Product Overview

Table 121. Lattice Power Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 122. Lattice Power Business Overview

Table 123. Lattice Power Recent Developments

Table 124. OPTO-TECH Vertical LED Chip Basic Information

Table 125. OPTO-TECH Vertical LED Chip Product Overview

Table 126. OPTO-TECH Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 127. OPTO-TECH Business Overview

Table 128. OPTO-TECH Recent Developments

Table 129. Tyntek Vertical LED Chip Basic Information
Table 130. Tyntek Vertical LED Chip Product Overview
Table 131. Tyntek Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 132. Tyntek Business Overview
Table 133. Tyntek Recent Developments
Table 134. Genesis Photonics Vertical LED Chip Basic Information
Table 135. Genesis Photonics Vertical LED Chip Product Overview
Table 136. Genesis Photonics Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 137. Genesis Photonics Business Overview
Table 138. Genesis Photonics Recent Developments
Table 139. Formosa Epitaxy Vertical LED Chip Basic Information
Table 140. Formosa Epitaxy Vertical LED Chip Product Overview
Table 141. Formosa Epitaxy Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 142. Formosa Epitaxy Business Overview
Table 143. Formosa Epitaxy Recent Developments
Table 144. Changelight Vertical LED Chip Basic Information
Table 145. Changelight Vertical LED Chip Product Overview
Table 146. Changelight Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 147. Changelight Business Overview
Table 148. Changelight Recent Developments
Table 149. Aucksun Vertical LED Chip Basic Information
Table 150. Aucksun Vertical LED Chip Product Overview
Table 151. Aucksun Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 152. Aucksun Business Overview
Table 153. Aucksun Recent Developments
Table 154. TongFang Vertical LED Chip Basic Information
Table 155. TongFang Vertical LED Chip Product Overview
Table 156. TongFang Vertical LED Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 157. TongFang Business Overview
Table 158. TongFang Recent Developments
Table 159. Global Vertical LED Chip Sales Forecast by Region (2025-2032) & (K Units)
Table 160. Global Vertical LED Chip Market Size Forecast by Region (2025-2032) & (M USD)

Table 161. North America Vertical LED Chip Sales Forecast by Country (2025-2032) & (K Units)

Table 162. North America Vertical LED Chip Market Size Forecast by Country (2025-2032) & (M USD)

Table 163. Europe Vertical LED Chip Sales Forecast by Country (2025-2032) & (K Units)

Table 164. Europe Vertical LED Chip Market Size Forecast by Country (2025-2032) & (M USD)

Table 165. Asia Pacific Vertical LED Chip Sales Forecast by Region (2025-2032) & (K Units)

Table 166. Asia Pacific Vertical LED Chip Market Size Forecast by Region (2025-2032) & (M USD)

Table 167. South America Vertical LED Chip Sales Forecast by Country (2025-2032) & (K Units)

Table 168. South America Vertical LED Chip Market Size Forecast by Country (2025-2032) & (M USD)

Table 169. Middle East and Africa Vertical LED Chip Consumption Forecast by Country (2025-2032) & (Units)

Table 170. Middle East and Africa Vertical LED Chip Market Size Forecast by Country (2025-2032) & (M USD)

Table 171. Global Vertical LED Chip Sales Forecast by Type (2025-2032) & (K Units)

Table 172. Global Vertical LED Chip Market Size Forecast by Type (2025-2032) & (M USD)

Table 173. Global Vertical LED Chip Price Forecast by Type (2025-2032) & (USD/Unit)

Table 174. Global Vertical LED Chip Sales (K Units) Forecast by Application (2025-2032)

Table 175. Global Vertical LED Chip Market Size Forecast by Application (2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Vertical LED Chip
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Vertical LED Chip Market Size (M USD), 2019-2032
- Figure 5. Global Vertical LED Chip Market Size (M USD) (2019-2032)
- Figure 6. Global Vertical LED Chip Sales (K Units) & (2019-2032)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Vertical LED Chip Market Size by Country (M USD)
- Figure 11. Vertical LED Chip Sales Share by Manufacturers in 2023
- Figure 12. Global Vertical LED Chip Revenue Share by Manufacturers in 2023
- Figure 13. Vertical LED Chip Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Vertical LED Chip Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Vertical LED Chip Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Vertical LED Chip Market Share by Type
- Figure 18. Sales Market Share of Vertical LED Chip by Type (2019-2024)
- Figure 19. Sales Market Share of Vertical LED Chip by Type in 2023
- Figure 20. Market Size Share of Vertical LED Chip by Type (2019-2024)
- Figure 21. Market Size Market Share of Vertical LED Chip by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Vertical LED Chip Market Share by Application
- Figure 24. Global Vertical LED Chip Sales Market Share by Application (2019-2024)
- Figure 25. Global Vertical LED Chip Sales Market Share by Application in 2023
- Figure 26. Global Vertical LED Chip Market Share by Application (2019-2024)
- Figure 27. Global Vertical LED Chip Market Share by Application in 2023
- Figure 28. Global Vertical LED Chip Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Vertical LED Chip Sales Market Share by Region (2019-2024)
- Figure 30. North America Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 31. North America Vertical LED Chip Sales Market Share by Country in 2023

- Figure 32. U.S. Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 33. Canada Vertical LED Chip Sales (K Units) and Growth Rate (2019-2024)
- Figure 34. Mexico Vertical LED Chip Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 36. Europe Vertical LED Chip Sales Market Share by Country in 2023
- Figure 37. Germany Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 38. France Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 39. U.K. Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 40. Italy Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 41. Russia Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 42. Asia Pacific Vertical LED Chip Sales and Growth Rate (K Units)
- Figure 43. Asia Pacific Vertical LED Chip Sales Market Share by Region in 2023
- Figure 44. China Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 45. Japan Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 46. South Korea Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 47. India Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 48. Southeast Asia Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 49. South America Vertical LED Chip Sales and Growth Rate (K Units)
- Figure 50. South America Vertical LED Chip Sales Market Share by Country in 2023
- Figure 51. Brazil Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 52. Argentina Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 53. Columbia Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 54. Middle East and Africa Vertical LED Chip Sales and Growth Rate (K Units)
- Figure 55. Middle East and Africa Vertical LED Chip Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 57. UAE Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 58. Egypt Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 59. Nigeria Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 60. South Africa Vertical LED Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 61. Global Vertical LED Chip Production Market Share by Region (2019-2024)
- Figure 62. North America Vertical LED Chip Production (K Units) Growth Rate (2019-2024)
- Figure 63. Europe Vertical LED Chip Production (K Units) Growth Rate (2019-2024)
- Figure 64. Japan Vertical LED Chip Production (K Units) Growth Rate (2019-2024)

Figure 65. China Vertical LED Chip Production (K Units) Growth Rate (2019-2024)

Figure 66. Global Vertical LED Chip Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global Vertical LED Chip Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global Vertical LED Chip Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global Vertical LED Chip Market Share Forecast by Type (2025-2032)

Figure 70. Global Vertical LED Chip Sales Forecast by Application (2025-2032)

Figure 71. Global Vertical LED Chip Market Share Forecast by Application (2025-2032)

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