

Global Automotive Optoelectronics Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Automotive Optoelectronics market size was valued at US\$ 3469.8 million in 2023. With growing demand in downstream market, the Automotive Optoelectronics is forecast to a readjusted size of US\$ 6067.6 million by 2030 with a CAGR of 8.3% during review period.

The research report highlights the growth potential of the global Automotive Optoelectronics market. Automotive Optoelectronics are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Automotive Optoelectronics. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Automotive Optoelectronics market.

Automotive Optoelectronics is the study and application of electronic devices and systems that source, detect and control light, usually considered a sub-field of photonics on automotive. In this context, light often includes invisible forms of radiation such as gamma rays, X-rays, ultraviolet and infrared, in addition to visible light. Optoelectronic devices are electrical-to-optical or optical-to-electrical transducers, or instruments that use such devices in their operation.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their

peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

Key Features:

The report on Automotive Optoelectronics market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Automotive Optoelectronics market. It may include historical data, market segmentation by Type (e.g., LEDs, Optoelectronic IR & Sensors), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Automotive Optoelectronics market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Automotive Optoelectronics market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Automotive Optoelectronics industry. This include advancements in Automotive Optoelectronics technology, Automotive Optoelectronics new entrants, Automotive Optoelectronics new investment, and other innovations that are shaping the future of Automotive Optoelectronics.

Downstream Procumbent Preference: The report can shed light on customer

procumbent behaviour and adoption trends in the Automotive Optoelectronics market. It includes factors influencing customer ' purchasing decisions, preferences for Automotive Optoelectronics product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Automotive Optoelectronics market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Automotive Optoelectronics market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Automotive Optoelectronics market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Automotive Optoelectronics industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Automotive Optoelectronics market.

Market Segmentation:

Automotive Optoelectronics 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.

Segmentation by type

LEDs

Optoelectronic IR & Sensors

Segmentation by application

Position Sensors

Convenience and Climate

Backlight Control

Safety

Lighting

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Avago

Osram

Philips

Sharp

Texas Instruments

Autoliv

Foryard Optoelectronics

FOSP Optoelectronics

OSI Optoelectronics

Vishay

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Optoelectronics market?

What factors are driving Automotive Optoelectronics market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Optoelectronics market opportunities vary by end market size?

How does Automotive Optoelectronics break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Automotive Optoelectronics Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Automotive Optoelectronics by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Automotive Optoelectronics by Country/Region, 2019, 2023 & 2030
- 2.2 Automotive Optoelectronics Segment by Type
 - 2.2.1 LEDs
 - 2.2.2 Optoelectronic IR & Sensors
- 2.3 Automotive Optoelectronics Sales by Type
 - 2.3.1 Global Automotive Optoelectronics Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Automotive Optoelectronics Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Automotive Optoelectronics Sale Price by Type (2019-2024)
- 2.4 Automotive Optoelectronics Segment by Application
 - 2.4.1 Position Sensors
 - 2.4.2 Convenience and Climate
 - 2.4.3 Backlight Control
 - 2.4.4 Safety
 - 2.4.5 Lighting
- 2.5 Automotive Optoelectronics Sales by Application
 - 2.5.1 Global Automotive Optoelectronics Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Automotive Optoelectronics Revenue and Market Share by Application

(2019-2024)

2.5.3 Global Automotive Optoelectronics Sale Price by Application (2019-2024)

3 GLOBAL AUTOMOTIVE OPTOELECTRONICS BY COMPANY

3.1 Global Automotive Optoelectronics Breakdown Data by Company

3.1.1 Global Automotive Optoelectronics Annual Sales by Company (2019-2024)

3.1.2 Global Automotive Optoelectronics Sales Market Share by Company

(2019-2024)

3.2 Global Automotive Optoelectronics Annual Revenue by Company (2019-2024)

3.2.1 Global Automotive Optoelectronics Revenue by Company (2019-2024)

3.2.2 Global Automotive Optoelectronics Revenue Market Share by Company

(2019-2024)

3.3 Global Automotive Optoelectronics Sale Price by Company

3.4 Key Manufacturers Automotive Optoelectronics Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Automotive Optoelectronics Product Location Distribution

3.4.2 Players Automotive Optoelectronics Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR AUTOMOTIVE OPTOELECTRONICS BY GEOGRAPHIC REGION

4.1 World Historic Automotive Optoelectronics Market Size by Geographic Region (2019-2024)

4.1.1 Global Automotive Optoelectronics Annual Sales by Geographic Region

(2019-2024)

4.1.2 Global Automotive Optoelectronics Annual Revenue by Geographic Region

(2019-2024)

4.2 World Historic Automotive Optoelectronics Market Size by Country/Region (2019-2024)

4.2.1 Global Automotive Optoelectronics Annual Sales by Country/Region (2019-2024)

4.2.2 Global Automotive Optoelectronics Annual Revenue by Country/Region

(2019-2024)

4.3 Americas Automotive Optoelectronics Sales Growth

4.4 APAC Automotive Optoelectronics Sales Growth

4.5 Europe Automotive Optoelectronics Sales Growth

4.6 Middle East & Africa Automotive Optoelectronics Sales Growth

5 AMERICAS

5.1 Americas Automotive Optoelectronics Sales by Country

5.1.1 Americas Automotive Optoelectronics Sales by Country (2019-2024)

5.1.2 Americas Automotive Optoelectronics Revenue by Country (2019-2024)

5.2 Americas Automotive Optoelectronics Sales by Type

5.3 Americas Automotive Optoelectronics Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Automotive Optoelectronics Sales by Region

6.1.1 APAC Automotive Optoelectronics Sales by Region (2019-2024)

6.1.2 APAC Automotive Optoelectronics Revenue by Region (2019-2024)

6.2 APAC Automotive Optoelectronics Sales by Type

6.3 APAC Automotive Optoelectronics Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Automotive Optoelectronics by Country

7.1.1 Europe Automotive Optoelectronics Sales by Country (2019-2024)

7.1.2 Europe Automotive Optoelectronics Revenue by Country (2019-2024)

7.2 Europe Automotive Optoelectronics Sales by Type

7.3 Europe Automotive Optoelectronics Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Automotive Optoelectronics by Country

8.1.1 Middle East & Africa Automotive Optoelectronics Sales by Country (2019-2024)

8.1.2 Middle East & Africa Automotive Optoelectronics Revenue by Country
(2019-2024)

8.2 Middle East & Africa Automotive Optoelectronics Sales by Type

8.3 Middle East & Africa Automotive Optoelectronics Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Automotive Optoelectronics

10.3 Manufacturing Process Analysis of Automotive Optoelectronics

10.4 Industry Chain Structure of Automotive Optoelectronics

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Automotive Optoelectronics Distributors

11.3 Automotive Optoelectronics Customer

12 WORLD FORECAST REVIEW FOR AUTOMOTIVE OPTOELECTRONICS BY GEOGRAPHIC REGION

12.1 Global Automotive Optoelectronics Market Size Forecast by Region

12.1.1 Global Automotive Optoelectronics Forecast by Region (2025-2030)

12.1.2 Global Automotive Optoelectronics Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Automotive Optoelectronics Forecast by Type

12.7 Global Automotive Optoelectronics Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Avago

13.1.1 Avago Company Information

13.1.2 Avago Automotive Optoelectronics Product Portfolios and Specifications

13.1.3 Avago Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 Avago Main Business Overview

13.1.5 Avago Latest Developments

13.2 Osram

13.2.1 Osram Company Information

13.2.2 Osram Automotive Optoelectronics Product Portfolios and Specifications

13.2.3 Osram Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Osram Main Business Overview

13.2.5 Osram Latest Developments

13.3 Philips

13.3.1 Philips Company Information

13.3.2 Philips Automotive Optoelectronics Product Portfolios and Specifications

13.3.3 Philips Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Philips Main Business Overview

13.3.5 Philips Latest Developments

13.4 Sharp

- 13.4.1 Sharp Company Information
- 13.4.2 Sharp Automotive Optoelectronics Product Portfolios and Specifications
- 13.4.3 Sharp Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.4.4 Sharp Main Business Overview
- 13.4.5 Sharp Latest Developments
- 13.5 Texas Instruments
 - 13.5.1 Texas Instruments Company Information
 - 13.5.2 Texas Instruments Automotive Optoelectronics Product Portfolios and Specifications
 - 13.5.3 Texas Instruments Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.5.4 Texas Instruments Main Business Overview
 - 13.5.5 Texas Instruments Latest Developments
- 13.6 Autoliv
 - 13.6.1 Autoliv Company Information
 - 13.6.2 Autoliv Automotive Optoelectronics Product Portfolios and Specifications
 - 13.6.3 Autoliv Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Autoliv Main Business Overview
 - 13.6.5 Autoliv Latest Developments
- 13.7 Foryard Optoelectronics
 - 13.7.1 Foryard Optoelectronics Company Information
 - 13.7.2 Foryard Optoelectronics Automotive Optoelectronics Product Portfolios and Specifications
 - 13.7.3 Foryard Optoelectronics Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Foryard Optoelectronics Main Business Overview
 - 13.7.5 Foryard Optoelectronics Latest Developments
- 13.8 FOSP Optoelectronics
 - 13.8.1 FOSP Optoelectronics Company Information
 - 13.8.2 FOSP Optoelectronics Automotive Optoelectronics Product Portfolios and Specifications
 - 13.8.3 FOSP Optoelectronics Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 FOSP Optoelectronics Main Business Overview
 - 13.8.5 FOSP Optoelectronics Latest Developments
- 13.9 OSI Optoelectronics
 - 13.9.1 OSI Optoelectronics Company Information

13.9.2 OSI Optoelectronics Automotive Optoelectronics Product Portfolios and Specifications

13.9.3 OSI Optoelectronics Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 OSI Optoelectronics Main Business Overview

13.9.5 OSI Optoelectronics Latest Developments

13.10 Vishay

13.10.1 Vishay Company Information

13.10.2 Vishay Automotive Optoelectronics Product Portfolios and Specifications

13.10.3 Vishay Automotive Optoelectronics Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Vishay Main Business Overview

13.10.5 Vishay Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Automotive Optoelectronics Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Automotive Optoelectronics Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of LEDs

Table 4. Major Players of Optoelectronic IR & Sensors

Table 5. Global Automotive Optoelectronics Sales by Type (2019-2024) & (K Units)

Table 6. Global Automotive Optoelectronics Sales Market Share by Type (2019-2024)

Table 7. Global Automotive Optoelectronics Revenue by Type (2019-2024) & (\$ million)

Table 8. Global Automotive Optoelectronics Revenue Market Share by Type (2019-2024)

Table 9. Global Automotive Optoelectronics Sale Price by Type (2019-2024) & (USD/Unit)

Table 10. Global Automotive Optoelectronics Sales by Application (2019-2024) & (K Units)

Table 11. Global Automotive Optoelectronics Sales Market Share by Application (2019-2024)

Table 12. Global Automotive Optoelectronics Revenue by Application (2019-2024)

Table 13. Global Automotive Optoelectronics Revenue Market Share by Application (2019-2024)

Table 14. Global Automotive Optoelectronics Sale Price by Application (2019-2024) & (USD/Unit)

Table 15. Global Automotive Optoelectronics Sales by Company (2019-2024) & (K Units)

Table 16. Global Automotive Optoelectronics Sales Market Share by Company (2019-2024)

Table 17. Global Automotive Optoelectronics Revenue by Company (2019-2024) (\$ Millions)

Table 18. Global Automotive Optoelectronics Revenue Market Share by Company (2019-2024)

Table 19. Global Automotive Optoelectronics Sale Price by Company (2019-2024) & (USD/Unit)

Table 20. Key Manufacturers Automotive Optoelectronics Producing Area Distribution and Sales Area

Table 21. Players Automotive Optoelectronics Products Offered

Table 22. Automotive Optoelectronics Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global Automotive Optoelectronics Sales by Geographic Region (2019-2024) & (K Units)

Table 26. Global Automotive Optoelectronics Sales Market Share Geographic Region (2019-2024)

Table 27. Global Automotive Optoelectronics Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Automotive Optoelectronics Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Automotive Optoelectronics Sales by Country/Region (2019-2024) & (K Units)

Table 30. Global Automotive Optoelectronics Sales Market Share by Country/Region (2019-2024)

Table 31. Global Automotive Optoelectronics Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Automotive Optoelectronics Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Automotive Optoelectronics Sales by Country (2019-2024) & (K Units)

Table 34. Americas Automotive Optoelectronics Sales Market Share by Country (2019-2024)

Table 35. Americas Automotive Optoelectronics Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas Automotive Optoelectronics Revenue Market Share by Country (2019-2024)

Table 37. Americas Automotive Optoelectronics Sales by Type (2019-2024) & (K Units)

Table 38. Americas Automotive Optoelectronics Sales by Application (2019-2024) & (K Units)

Table 39. APAC Automotive Optoelectronics Sales by Region (2019-2024) & (K Units)

Table 40. APAC Automotive Optoelectronics Sales Market Share by Region (2019-2024)

Table 41. APAC Automotive Optoelectronics Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC Automotive Optoelectronics Revenue Market Share by Region (2019-2024)

Table 43. APAC Automotive Optoelectronics Sales by Type (2019-2024) & (K Units)

Table 44. APAC Automotive Optoelectronics Sales by Application (2019-2024) & (K Units)

Table 45. Europe Automotive Optoelectronics Sales by Country (2019-2024) & (K Units)

Table 46. Europe Automotive Optoelectronics Sales Market Share by Country (2019-2024)

Table 47. Europe Automotive Optoelectronics Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe Automotive Optoelectronics Revenue Market Share by Country (2019-2024)

Table 49. Europe Automotive Optoelectronics Sales by Type (2019-2024) & (K Units)

Table 50. Europe Automotive Optoelectronics Sales by Application (2019-2024) & (K Units)

Table 51. Middle East & Africa Automotive Optoelectronics Sales by Country (2019-2024) & (K Units)

Table 52. Middle East & Africa Automotive Optoelectronics Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa Automotive Optoelectronics Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa Automotive Optoelectronics Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa Automotive Optoelectronics Sales by Type (2019-2024) & (K Units)

Table 56. Middle East & Africa Automotive Optoelectronics Sales by Application (2019-2024) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of Automotive Optoelectronics

Table 58. Key Market Challenges & Risks of Automotive Optoelectronics

Table 59. Key Industry Trends of Automotive Optoelectronics

Table 60. Automotive Optoelectronics Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. Automotive Optoelectronics Distributors List

Table 63. Automotive Optoelectronics Customer List

Table 64. Global Automotive Optoelectronics Sales Forecast by Region (2025-2030) & (K Units)

Table 65. Global Automotive Optoelectronics Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 66. Americas Automotive Optoelectronics Sales Forecast by Country (2025-2030) & (K Units)

Table 67. Americas Automotive Optoelectronics Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. APAC Automotive Optoelectronics Sales Forecast by Region (2025-2030) & (K Units)

Table 69. APAC Automotive Optoelectronics Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 70. Europe Automotive Optoelectronics Sales Forecast by Country (2025-2030) & (K Units)

Table 71. Europe Automotive Optoelectronics Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. Middle East & Africa Automotive Optoelectronics Sales Forecast by Country (2025-2030) & (K Units)

Table 73. Middle East & Africa Automotive Optoelectronics Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 74. Global Automotive Optoelectronics Sales Forecast by Type (2025-2030) & (K Units)

Table 75. Global Automotive Optoelectronics Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 76. Global Automotive Optoelectronics Sales Forecast by Application (2025-2030) & (K Units)

Table 77. Global Automotive Optoelectronics Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 78. Avago Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 79. Avago Automotive Optoelectronics Product Portfolios and Specifications

Table 80. Avago Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 81. Avago Main Business

Table 82. Avago Latest Developments

Table 83. Osram Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 84. Osram Automotive Optoelectronics Product Portfolios and Specifications

Table 85. Osram Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 86. Osram Main Business

Table 87. Osram Latest Developments

Table 88. Philips Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 89. Philips Automotive Optoelectronics Product Portfolios and Specifications

Table 90. Philips Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 91. Philips Main Business

Table 92. Philips Latest Developments

Table 93. Sharp Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 94. Sharp Automotive Optoelectronics Product Portfolios and Specifications

Table 95. Sharp Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 96. Sharp Main Business

Table 97. Sharp Latest Developments

Table 98. Texas Instruments Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 99. Texas Instruments Automotive Optoelectronics Product Portfolios and Specifications

Table 100. Texas Instruments Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 101. Texas Instruments Main Business

Table 102. Texas Instruments Latest Developments

Table 103. Autoliv Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 104. Autoliv Automotive Optoelectronics Product Portfolios and Specifications

Table 105. Autoliv Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 106. Autoliv Main Business

Table 107. Autoliv Latest Developments

Table 108. Foryard Optoelectronics Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 109. Foryard Optoelectronics Automotive Optoelectronics Product Portfolios and Specifications

Table 110. Foryard Optoelectronics Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 111. Foryard Optoelectronics Main Business

Table 112. Foryard Optoelectronics Latest Developments

Table 113. FOSP Optoelectronics Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 114. FOSP Optoelectronics Automotive Optoelectronics Product Portfolios and Specifications

Table 115. FOSP Optoelectronics Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 116. FOSP Optoelectronics Main Business

Table 117. FOSP Optoelectronics Latest Developments

Table 118. OSI Optoelectronics Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 119. OSI Optoelectronics Automotive Optoelectronics Product Portfolios and Specifications

Table 120. OSI Optoelectronics Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 121. OSI Optoelectronics Main Business

Table 122. OSI Optoelectronics Latest Developments

Table 123. Vishay Basic Information, Automotive Optoelectronics Manufacturing Base, Sales Area and Its Competitors

Table 124. Vishay Automotive Optoelectronics Product Portfolios and Specifications

Table 125. Vishay Automotive Optoelectronics Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 126. Vishay Main Business

Table 127. Vishay Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Automotive Optoelectronics
- Figure 2. Automotive Optoelectronics Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Automotive Optoelectronics Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global Automotive Optoelectronics Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Automotive Optoelectronics Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of LEDs
- Figure 10. Product Picture of Optoelectronic IR & Sensors
- Figure 11. Global Automotive Optoelectronics Sales Market Share by Type in 2023
- Figure 12. Global Automotive Optoelectronics Revenue Market Share by Type (2019-2024)
- Figure 13. Automotive Optoelectronics Consumed in Position Sensors
- Figure 14. Global Automotive Optoelectronics Market: Position Sensors (2019-2024) & (K Units)
- Figure 15. Automotive Optoelectronics Consumed in Convenience and Climate
- Figure 16. Global Automotive Optoelectronics Market: Convenience and Climate (2019-2024) & (K Units)
- Figure 17. Automotive Optoelectronics Consumed in Backlight Control
- Figure 18. Global Automotive Optoelectronics Market: Backlight Control (2019-2024) & (K Units)
- Figure 19. Automotive Optoelectronics Consumed in Safety
- Figure 20. Global Automotive Optoelectronics Market: Safety (2019-2024) & (K Units)
- Figure 21. Automotive Optoelectronics Consumed in Lighting
- Figure 22. Global Automotive Optoelectronics Market: Lighting (2019-2024) & (K Units)
- Figure 23. Global Automotive Optoelectronics Sales Market Share by Application (2023)
- Figure 24. Global Automotive Optoelectronics Revenue Market Share by Application in 2023
- Figure 25. Automotive Optoelectronics Sales Market by Company in 2023 (K Units)
- Figure 26. Global Automotive Optoelectronics Sales Market Share by Company in 2023
- Figure 27. Automotive Optoelectronics Revenue Market by Company in 2023 (\$ Million)
- Figure 28. Global Automotive Optoelectronics Revenue Market Share by Company in

2023

Figure 29. Global Automotive Optoelectronics Sales Market Share by Geographic Region (2019-2024)

Figure 30. Global Automotive Optoelectronics Revenue Market Share by Geographic Region in 2023

Figure 31. Americas Automotive Optoelectronics Sales 2019-2024 (K Units)

Figure 32. Americas Automotive Optoelectronics Revenue 2019-2024 (\$ Millions)

Figure 33. APAC Automotive Optoelectronics Sales 2019-2024 (K Units)

Figure 34. APAC Automotive Optoelectronics Revenue 2019-2024 (\$ Millions)

Figure 35. Europe Automotive Optoelectronics Sales 2019-2024 (K Units)

Figure 36. Europe Automotive Optoelectronics Revenue 2019-2024 (\$ Millions)

Figure 37. Middle East & Africa Automotive Optoelectronics Sales 2019-2024 (K Units)

Figure 38. Middle East & Africa Automotive Optoelectronics Revenue 2019-2024 (\$ Millions)

Figure 39. Americas Automotive Optoelectronics Sales Market Share by Country in 2023

Figure 40. Americas Automotive Optoelectronics Revenue Market Share by Country in 2023

Figure 41. Americas Automotive Optoelectronics Sales Market Share by Type (2019-2024)

Figure 42. Americas Automotive Optoelectronics Sales Market Share by Application (2019-2024)

Figure 43. United States Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 44. Canada Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Mexico Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 46. Brazil Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 47. APAC Automotive Optoelectronics Sales Market Share by Region in 2023

Figure 48. APAC Automotive Optoelectronics Revenue Market Share by Regions in 2023

Figure 49. APAC Automotive Optoelectronics Sales Market Share by Type (2019-2024)

Figure 50. APAC Automotive Optoelectronics Sales Market Share by Application (2019-2024)

Figure 51. China Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Japan Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 53. South Korea Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 54. Southeast Asia Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 55. India Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 56. Australia Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 57. China Taiwan Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 58. Europe Automotive Optoelectronics Sales Market Share by Country in 2023

Figure 59. Europe Automotive Optoelectronics Revenue Market Share by Country in 2023

Figure 60. Europe Automotive Optoelectronics Sales Market Share by Type (2019-2024)

Figure 61. Europe Automotive Optoelectronics Sales Market Share by Application (2019-2024)

Figure 62. Germany Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 63. France Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 64. UK Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 65. Italy Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 66. Russia Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 67. Middle East & Africa Automotive Optoelectronics Sales Market Share by Country in 2023

Figure 68. Middle East & Africa Automotive Optoelectronics Revenue Market Share by Country in 2023

Figure 69. Middle East & Africa Automotive Optoelectronics Sales Market Share by Type (2019-2024)

Figure 70. Middle East & Africa Automotive Optoelectronics Sales Market Share by Application (2019-2024)

Figure 71. Egypt Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 72. South Africa Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Israel Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Turkey Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 75. GCC Country Automotive Optoelectronics Revenue Growth 2019-2024 (\$ Millions)

Figure 76. Manufacturing Cost Structure Analysis of Automotive Optoelectronics in 2023

Figure 77. Manufacturing Process Analysis of Automotive Optoelectronics

Figure 78. Industry Chain Structure of Automotive Optoelectronics

Figure 79. Channels of Distribution

Figure 80. Global Automotive Optoelectronics Sales Market Forecast by Region (2025-2030)

Figure 81. Global Automotive Optoelectronics Revenue Market Share Forecast by Region (2025-2030)

Figure 82. Global Automotive Optoelectronics Sales Market Share Forecast by Type (2025-2030)

Figure 83. Global Automotive Optoelectronics Revenue Market Share Forecast by Type (2025-2030)

Figure 84. Global Automotive Optoelectronics Sales Market Share Forecast by Application (2025-2030)

Figure 85. Global Automotive Optoelectronics Revenue Market Share Forecast by Application (2025-2030)

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