

Global LED Phosphor Market Research Report 2025(Status and Outlook)

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Abstracts

Report Overview

LED phosphor is a key component used in LED lighting technology to convert blue light emitted by LEDs into white light. This process involves the absorption of blue light by the phosphor material, which then re-emits light at longer wavelengths, resulting in white light. LED phosphors play a crucial role in enhancing the color rendering index (CRI) of LED lighting, making it more suitable for a wide range of applications such as residential, commercial, and industrial lighting. The market for LED phosphors is driven by the increasing adoption of LED lighting solutions globally due to their energy efficiency, longer lifespan, and environmental benefits compared to traditional lighting technologies. As the demand for energy-efficient lighting solutions continues to rise, the market for LED phosphors is expected to grow significantly in the coming years.

The market for LED phosphors is witnessing several key trends that are shaping its growth trajectory. One of the prominent trends is the development of phosphor materials with improved efficiency and color quality to meet the evolving demands of the lighting industry. Manufacturers are investing in research and development to create phosphor materials that offer higher light output, better color consistency, and enhanced thermal stability. Another important trend is the increasing focus on sustainability and environmental impact, driving the demand for eco-friendly phosphor materials that are free from heavy metals and other hazardous substances. Additionally, the growing popularity of smart lighting solutions and the Internet of Things (IoT) is creating new opportunities for LED phosphors, as they are essential for producing tunable and controllable lighting systems. These trends, along with the ongoing shift towards LED lighting, are expected to drive the growth of the LED phosphor market in the foreseeable future.

This report provides a deep insight into the global LED Phosphor 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 LED Phosphor 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 LED Phosphor market in any manner.

Global LED Phosphor 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

Avago Technologies

Citizen Electronics

Epistar Corporation

Everlight Electronics

General Electric

Edison Opto Corporation

Universal Display

Osram Sylvania

Electric

Philips Lumileds Lighting

Market Segmentation (by Type)

Silicate Phosphors

Garnet Phosphors

Aluminate Phosphors

Nitride Phosphors

Market Segmentation (by Application)

Automotive Phones

Lighting

LCD TV

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 LED Phosphor Market

Overview of the regional outlook of the LED Phosphor 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 (USD Billion) 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 LED Phosphor 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 and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 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 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

Table of Contents

1 Research Methodology and Statistical Scope

1.1 Market Definition and Statistical Scope of LED Phosphor

1.2 Key Market Segments

1.2.1 LED Phosphor Segment by Type

1.2.2 LED Phosphor 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 LED Phosphor Market Overview

2.1 Global Market Overview

2.1.1 Global LED Phosphor Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global LED Phosphor Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 LED Phosphor Market Competitive Landscape

3.1 Company Assessment Quadrant

3.2 Global LED Phosphor Product Life Cycle

3.3 Global LED Phosphor Sales by Manufacturers (2020-2025)

3.4 Global LED Phosphor Revenue Market Share by Manufacturers (2020-2025)

3.5 LED Phosphor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global LED Phosphor Average Price by Manufacturers (2020-2025)

3.7 Manufacturers LED Phosphor Manufacturing Sites, Area Served, Product Type

3.8 LED Phosphor Market Competitive Situation and Trends

3.8.1 LED Phosphor Market Concentration Rate

3.8.2 Global 5 and 10 Largest LED Phosphor Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 LED Phosphor Industry Chain Analysis

4.1 LED Phosphor 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 LED Phosphor Market

5.1 Key Development Trends

- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global LED Phosphor Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to LED Phosphor Market
- 5.7 ESG Ratings of Leading Companies
- 6 LED Phosphor Market Segmentation by Type
 - 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
 - 6.2 Global LED Phosphor Sales Market Share by Type (2020-2025)
 - 6.3 Global LED Phosphor Market Size Market Share by Type (2020-2025)
 - 6.4 Global LED Phosphor Price by Type (2020-2025)
- 7 LED Phosphor Market Segmentation by Application
 - 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
 - 7.2 Global LED Phosphor Market Sales by Application (2020-2025)
 - 7.3 Global LED Phosphor Market Size (M USD) by Application (2020-2025)
 - 7.4 Global LED Phosphor Sales Growth Rate by Application (2020-2025)
- 8 LED Phosphor Market Sales by Region
 - 8.1 Global LED Phosphor Sales by Region
 - 8.1.1 Global LED Phosphor Sales by Region
 - 8.1.2 Global LED Phosphor Sales Market Share by Region
 - 8.2 Global LED Phosphor Market Size by Region
 - 8.2.1 Global LED Phosphor Market Size by Region
 - 8.2.2 Global LED Phosphor Market Size Market Share by Region
 - 8.3 North America
 - 8.3.1 North America LED Phosphor Sales by Country
 - 8.3.2 North America LED Phosphor Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe LED Phosphor Sales by Country

8.4.2 Europe LED Phosphor Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific LED Phosphor Sales by Region

8.5.2 Asia Pacific LED Phosphor Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America LED Phosphor Sales by Country

8.6.2 South America LED Phosphor Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa LED Phosphor Sales by Region

8.7.2 Middle East and Africa LED Phosphor Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 LED Phosphor Market Production by Region

9.1 Global Production of LED Phosphor by Region(2020-2025)

9.2 Global LED Phosphor Revenue Market Share by Region (2020-2025)

9.3 Global LED Phosphor Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America LED Phosphor Production

9.4.1 North America LED Phosphor Production Growth Rate (2020-2025)

9.4.2 North America LED Phosphor Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe LED Phosphor Production

- 9.5.1 Europe LED Phosphor Production Growth Rate (2020-2025)
- 9.5.2 Europe LED Phosphor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan LED Phosphor Production (2020-2025)
 - 9.6.1 Japan LED Phosphor Production Growth Rate (2020-2025)
 - 9.6.2 Japan LED Phosphor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China LED Phosphor Production (2020-2025)
 - 9.7.1 China LED Phosphor Production Growth Rate (2020-2025)
 - 9.7.2 China LED Phosphor Production, Revenue, Price and Gross Margin (2020-2025)
- 10 Key Companies Profile
 - 10.1 Avago Technologies
 - 10.1.1 Avago Technologies Basic Information
 - 10.1.2 Avago Technologies LED Phosphor Product Overview
 - 10.1.3 Avago Technologies LED Phosphor Product Market Performance
 - 10.1.4 Avago Technologies Business Overview
 - 10.1.5 Avago Technologies SWOT Analysis
 - 10.1.6 Avago Technologies Recent Developments
 - 10.2 Citizen Electronics
 - 10.2.1 Citizen Electronics Basic Information
 - 10.2.2 Citizen Electronics LED Phosphor Product Overview
 - 10.2.3 Citizen Electronics LED Phosphor Product Market Performance
 - 10.2.4 Citizen Electronics Business Overview
 - 10.2.5 Citizen Electronics SWOT Analysis
 - 10.2.6 Citizen Electronics Recent Developments
 - 10.3 Epistar Corporation
 - 10.3.1 Epistar Corporation Basic Information
 - 10.3.2 Epistar Corporation LED Phosphor Product Overview
 - 10.3.3 Epistar Corporation LED Phosphor Product Market Performance
 - 10.3.4 Epistar Corporation Business Overview
 - 10.3.5 Epistar Corporation SWOT Analysis
 - 10.3.6 Epistar Corporation Recent Developments
 - 10.4 Everlight Electronics
 - 10.4.1 Everlight Electronics Basic Information
 - 10.4.2 Everlight Electronics LED Phosphor Product Overview
 - 10.4.3 Everlight Electronics LED Phosphor Product Market Performance
 - 10.4.4 Everlight Electronics Business Overview
 - 10.4.5 Everlight Electronics Recent Developments
 - 10.5 General Electric
 - 10.5.1 General Electric Basic Information
 - 10.5.2 General Electric LED Phosphor Product Overview

- 10.5.3 General Electric LED Phosphor Product Market Performance
- 10.5.4 General Electric Business Overview
- 10.5.5 General Electric Recent Developments
- 10.6 Edison Opto Corporation
 - 10.6.1 Edison Opto Corporation Basic Information
 - 10.6.2 Edison Opto Corporation LED Phosphor Product Overview
 - 10.6.3 Edison Opto Corporation LED Phosphor Product Market Performance
 - 10.6.4 Edison Opto Corporation Business Overview
 - 10.6.5 Edison Opto Corporation Recent Developments
- 10.7 Universal Display
 - 10.7.1 Universal Display Basic Information
 - 10.7.2 Universal Display LED Phosphor Product Overview
 - 10.7.3 Universal Display LED Phosphor Product Market Performance
 - 10.7.4 Universal Display Business Overview
 - 10.7.5 Universal Display Recent Developments
- 10.8 Osram Sylvania
 - 10.8.1 Osram Sylvania Basic Information
 - 10.8.2 Osram Sylvania LED Phosphor Product Overview
 - 10.8.3 Osram Sylvania LED Phosphor Product Market Performance
 - 10.8.4 Osram Sylvania Business Overview
 - 10.8.5 Osram Sylvania Recent Developments
- 10.9 Electric
 - 10.9.1 Electric Basic Information
 - 10.9.2 Electric LED Phosphor Product Overview
 - 10.9.3 Electric LED Phosphor Product Market Performance
 - 10.9.4 Electric Business Overview
 - 10.9.5 Electric Recent Developments
- 10.10 Philips Lumileds Lighting
 - 10.10.1 Philips Lumileds Lighting Basic Information
 - 10.10.2 Philips Lumileds Lighting LED Phosphor Product Overview
 - 10.10.3 Philips Lumileds Lighting LED Phosphor Product Market Performance
 - 10.10.4 Philips Lumileds Lighting Business Overview
 - 10.10.5 Philips Lumileds Lighting Recent Developments
- 11 LED Phosphor Market Forecast by Region
 - 11.1 Global LED Phosphor Market Size Forecast
 - 11.2 Global LED Phosphor Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe LED Phosphor Market Size Forecast by Country
 - 11.2.3 Asia Pacific LED Phosphor Market Size Forecast by Region

11.2.4 South America LED Phosphor Market Size Forecast by Country
11.2.5 Middle East and Africa Forecasted Sales of LED Phosphor by Country
12 Forecast Market by Type and by Application (2026-2033)
12.1 Global LED Phosphor Market Forecast by Type (2026-2033)
12.1.1 Global Forecasted Sales of LED Phosphor by Type (2026-2033)
12.1.2 Global LED Phosphor Market Size Forecast by Type (2026-2033)
12.1.3 Global Forecasted Price of LED Phosphor by Type (2026-2033)
12.2 Global LED Phosphor Market Forecast by Application (2026-2033)
12.2.1 Global LED Phosphor Sales (K MT) Forecast by Application
12.2.2 Global LED Phosphor Market Size (M USD) Forecast by Application (2026-2033)
13 Conclusion and Key Findings
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. LED Phosphor Market Size Comparison by Region (M USD)
Table 5. Global LED Phosphor Sales (K MT) by Manufacturers (2020-2025)
Table 6. Global LED Phosphor Sales Market Share by Manufacturers (2020-2025)
Table 7. Global LED Phosphor Revenue (M USD) by Manufacturers (2020-2025)
Table 8. Global LED Phosphor Revenue Share by Manufacturers (2020-2025)
Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in LED Phosphor as of 2024)
Table 10. Global Market LED Phosphor Average Price (USD/MT) of Key Manufacturers (2020-2025)
Table 11. Manufacturers LED Phosphor Manufacturing Sites and Area Served
Table 12. Manufacturers LED Phosphor Product Type
Table 13. Global LED Phosphor Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 14. Mergers & Acquisitions, Expansion Plans
Table 15. Market Overview of Key Raw Materials
Table 16. Midstream Market Analysis
Table 17. Downstream Customer Analysis
Table 18. Key Development Trends
Table 19. Driving Factors
Table 20. LED Phosphor Market Challenges
Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026
Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027
Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026
Table 24. Global LED Phosphor Sales by Type (K MT)
Table 25. Global LED Phosphor Market Size by Type (M USD)

Table 26. Global LED Phosphor Sales (K MT) by Type (2020-2025)
Table 27. Global LED Phosphor Sales Market Share by Type (2020-2025)
Table 28. Global LED Phosphor Market Size (M USD) by Type (2020-2025)
Table 29. Global LED Phosphor Market Size Share by Type (2020-2025)
Table 30. Global LED Phosphor Price (USD/MT) by Type (2020-2025)
Table 31. Global LED Phosphor Sales (K MT) by Application
Table 32. Global LED Phosphor Market Size by Application
Table 33. Global LED Phosphor Sales by Application (2020-2025) & (K MT)
Table 34. Global LED Phosphor Sales Market Share by Application (2020-2025)
Table 35. Global LED Phosphor Market Size by Application (2020-2025) & (M USD)
Table 36. Global LED Phosphor Market Share by Application (2020-2025)
Table 37. Global LED Phosphor Sales Growth Rate by Application (2020-2025)
Table 38. Global LED Phosphor Sales by Region (2020-2025) & (K MT)
Table 39. Global LED Phosphor Sales Market Share by Region (2020-2025)
Table 40. Global LED Phosphor Market Size by Region (2020-2025) & (M USD)
Table 41. Global LED Phosphor Market Size Market Share by Region (2020-2025)
Table 42. North America LED Phosphor Sales by Country (2020-2025) & (K MT)
Table 43. North America LED Phosphor Market Size by Country (2020-2025) & (M USD)
Table 44. Europe LED Phosphor Sales by Country (2020-2025) & (K MT)
Table 45. Europe LED Phosphor Market Size by Country (2020-2025) & (M USD)
Table 46. Asia Pacific LED Phosphor Sales by Region (2020-2025) & (K MT)
Table 47. Asia Pacific LED Phosphor Market Size by Region (2020-2025) & (M USD)
Table 48. South America LED Phosphor Sales by Country (2020-2025) & (K MT)
Table 49. South America LED Phosphor Market Size by Country (2020-2025) & (M USD)
Table 50. Middle East and Africa LED Phosphor Sales by Region (2020-2025) & (K MT)
Table 51. Middle East and Africa LED Phosphor Market Size by Region (2020-2025) & (M USD)
Table 52. Global LED Phosphor Production (K MT) by Region(2020-2025)
Table 53. Global LED Phosphor Revenue (US\$ Million) by Region (2020-2025)
Table 54. Global LED Phosphor Revenue Market Share by Region (2020-2025)
Table 55. Global LED Phosphor Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 56. North America LED Phosphor Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 57. Europe LED Phosphor Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 58. Japan LED Phosphor Production (K MT), Revenue (US\$ Million), Price

(USD/MT) and Gross Margin (2020-2025)

Table 59. China LED Phosphor Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 60. Avago Technologies Basic Information

Table 61. Avago Technologies LED Phosphor Product Overview

Table 62. Avago Technologies LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 63. Avago Technologies Business Overview

Table 64. Avago Technologies SWOT Analysis

Table 65. Avago Technologies Recent Developments

Table 66. Citizen Electronics Basic Information

Table 67. Citizen Electronics LED Phosphor Product Overview

Table 68. Citizen Electronics LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 69. Citizen Electronics Business Overview

Table 70. Citizen Electronics SWOT Analysis

Table 71. Citizen Electronics Recent Developments

Table 72. Epistar Corporation Basic Information

Table 73. Epistar Corporation LED Phosphor Product Overview

Table 74. Epistar Corporation LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 75. Epistar Corporation Business Overview

Table 76. Epistar Corporation SWOT Analysis

Table 77. Epistar Corporation Recent Developments

Table 78. Everlight Electronics Basic Information

Table 79. Everlight Electronics LED Phosphor Product Overview

Table 80. Everlight Electronics LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 81. Everlight Electronics Business Overview

Table 82. Everlight Electronics Recent Developments

Table 83. General Electric Basic Information

Table 84. General Electric LED Phosphor Product Overview

Table 85. General Electric LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 86. General Electric Business Overview

Table 87. General Electric Recent Developments

Table 88. Edison Opto Corporation Basic Information

Table 89. Edison Opto Corporation LED Phosphor Product Overview

Table 90. Edison Opto Corporation LED Phosphor Sales (K MT), Revenue (M USD),

Price (USD/MT) and Gross Margin (2020-2025)

Table 91. Edison Opto Corporation Business Overview

Table 92. Edison Opto Corporation Recent Developments

Table 93. Universal Display Basic Information

Table 94. Universal Display LED Phosphor Product Overview

Table 95. Universal Display LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 96. Universal Display Business Overview

Table 97. Universal Display Recent Developments

Table 98. Osram Sylvania Basic Information

Table 99. Osram Sylvania LED Phosphor Product Overview

Table 100. Osram Sylvania LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 101. Osram Sylvania Business Overview

Table 102. Osram Sylvania Recent Developments

Table 103. Electric Basic Information

Table 104. Electric LED Phosphor Product Overview

Table 105. Electric LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 106. Electric Business Overview

Table 107. Electric Recent Developments

Table 108. Philips Lumileds Lighting Basic Information

Table 109. Philips Lumileds Lighting LED Phosphor Product Overview

Table 110. Philips Lumileds Lighting LED Phosphor Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 111. Philips Lumileds Lighting Business Overview

Table 112. Philips Lumileds Lighting Recent Developments

Table 113. Global LED Phosphor Sales Forecast by Region (2026-2033) & (K MT)

Table 114. Global LED Phosphor Market Size Forecast by Region (2026-2033) & (M USD)

Table 115. North America LED Phosphor Sales Forecast by Country (2026-2033) & (K MT)

Table 116. North America LED Phosphor Market Size Forecast by Country (2026-2033) & (M USD)

Table 117. Europe LED Phosphor Sales Forecast by Country (2026-2033) & (K MT)

Table 118. Europe LED Phosphor Market Size Forecast by Country (2026-2033) & (M USD)

Table 119. Asia Pacific LED Phosphor Sales Forecast by Region (2026-2033) & (K MT)

Table 120. Asia Pacific LED Phosphor Market Size Forecast by Region (2026-2033) &

(M USD)

Table 121. South America LED Phosphor Sales Forecast by Country (2026-2033) & (K MT)

Table 122. South America LED Phosphor Market Size Forecast by Country (2026-2033) & (M USD)

Table 123. Middle East and Africa LED Phosphor Sales Forecast by Country (2026-2033) & (Units)

Table 124. Middle East and Africa LED Phosphor Market Size Forecast by Country (2026-2033) & (M USD)

Table 125. Global LED Phosphor Sales Forecast by Type (2026-2033) & (K MT)

Table 126. Global LED Phosphor Market Size Forecast by Type (2026-2033) & (M USD)

Table 127. Global LED Phosphor Price Forecast by Type (2026-2033) & (USD/MT)

Table 128. Global LED Phosphor Sales (K MT) Forecast by Application (2026-2033)

Table 129. Global LED Phosphor Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of LED Phosphor

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global LED Phosphor Market Size (M USD), 2024-2033

Figure 5. Global LED Phosphor Market Size (M USD) (2020-2033)

Figure 6. Global LED Phosphor Sales (K MT) & (2020-2033)

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. LED Phosphor Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global LED Phosphor Product Life Cycle

Figure 13. LED Phosphor Sales Share by Manufacturers in 2024

Figure 14. Global LED Phosphor Revenue Share by Manufacturers in 2024

Figure 15. LED Phosphor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market LED Phosphor Average Price (USD/MT) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by LED Phosphor Revenue in 2024

Figure 18. Industry Chain Map of LED Phosphor

Figure 19. Global LED Phosphor Market PEST Analysis

- Figure 20. Global LED Phosphor Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global LED Phosphor Market Share by Type
- Figure 27. Sales Market Share of LED Phosphor by Type (2020-2025)
- Figure 28. Sales Market Share of LED Phosphor by Type in 2024
- Figure 29. Market Size Share of LED Phosphor by Type (2020-2025)
- Figure 30. Market Size Share of LED Phosphor by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global LED Phosphor Market Share by Application
- Figure 33. Global LED Phosphor Sales Market Share by Application (2020-2025)
- Figure 34. Global LED Phosphor Sales Market Share by Application in 2024
- Figure 35. Global LED Phosphor Market Share by Application (2020-2025)
- Figure 36. Global LED Phosphor Market Share by Application in 2024
- Figure 37. Global LED Phosphor Sales Growth Rate by Application (2020-2025)
- Figure 38. Global LED Phosphor Sales Market Share by Region (2020-2025)
- Figure 39. Global LED Phosphor Market Size Market Share by Region (2020-2025)
- Figure 40. North America LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)
- Figure 41. North America LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)
- Figure 42. North America LED Phosphor Sales Market Share by Country in 2024
- Figure 43. North America LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America LED Phosphor Market Size Market Share by Country in 2024
- Figure 45. U.S. LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)
- Figure 46. U.S. LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada LED Phosphor Sales (K MT) and Growth Rate (2020-2025)
- Figure 48. Canada LED Phosphor Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico LED Phosphor Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico LED Phosphor Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)
- Figure 52. Europe LED Phosphor Sales Market Share by Country in 2024
- Figure 53. Europe LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 54. Europe LED Phosphor Market Size Market Share by Country in 2024
- Figure 55. Germany LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)
- Figure 56. Germany LED Phosphor Market Size and Growth Rate (2020-2025) & (M

USD)

Figure 57. France LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific LED Phosphor Sales and Growth Rate (K MT)

Figure 66. Asia Pacific LED Phosphor Sales Market Share by Region in 2024

Figure 67. Asia Pacific LED Phosphor Market Size Market Share by Region in 2024

Figure 68. China LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America LED Phosphor Sales and Growth Rate (K MT)

Figure 79. South America LED Phosphor Sales Market Share by Country in 2024

Figure 80. South America LED Phosphor Market Size and Growth Rate (M USD)

Figure 81. South America LED Phosphor Market Size Market Share by Country in 2024

Figure 82. Brazil LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa LED Phosphor Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa LED Phosphor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa LED Phosphor Market Size and Growth Rate (M

USD)

Figure 91. Middle East and Africa LED Phosphor Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa LED Phosphor Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa LED Phosphor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global LED Phosphor Production Market Share by Region (2020-2025)

Figure 103. North America LED Phosphor Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe LED Phosphor Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan LED Phosphor Production (K MT) Growth Rate (2020-2025)

Figure 106. China LED Phosphor Production (K MT) Growth Rate (2020-2025)

Figure 107. Global LED Phosphor Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global LED Phosphor Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global LED Phosphor Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global LED Phosphor Market Share Forecast by Type (2026-2033)

Figure 111. Global LED Phosphor Sales Forecast by Application (2026-2033)

Figure 112. Global LED Phosphor Market Share Forecast by Application (2026-2033)

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