

# Global Shortwave Infrared Light Source Market Growth 2023-2029

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## Abstracts

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According to our (LP Info Research) latest study, the global Shortwave Infrared Light Source market size was valued at US\$ million in 2022. With growing demand in downstream market and recovery from influence of COVID-19 and the Russia-Ukraine War, the Shortwave Infrared Light Source is forecast to a readjusted size of US\$ million by 2029 with a CAGR of % during review period.

The research report highlights the growth potential of the global Shortwave Infrared Light Source market. With recovery from influence of COVID-19 and the Russia-Ukraine War, Shortwave Infrared Light Source 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 Shortwave Infrared Light Source. 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 Shortwave Infrared Light Source market.

The range of short-wave infrared (SWIR) is between 900 and 2500nm. Since the upper limit of silicon sensors for general industrial cameras is about 1000nm, SWIR imaging requires a dedicated SWIR camera that can work in the SWIR range. Indium gallium arsenide (InGaAs) sensors are The main sensor used in SWIR has high detection performance and fast response speed, and works in the SWIR range of 900 to 1700nm. The SWIR camera using this sensor can cover the typical SWIR frequency band.

Key Features:

The report on Shortwave Infrared Light Source 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 Shortwave Infrared Light Source market. It may include historical data, market segmentation by Type (e.g., Wavelength 900nm-1500nm, Wavelength 1500nm-2000nm), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Shortwave Infrared Light Source 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 Shortwave Infrared Light Source 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 Shortwave Infrared Light Source industry. This include advancements in Shortwave Infrared Light Source technology, Shortwave Infrared Light Source new entrants, Shortwave Infrared Light Source new investment, and other innovations that are shaping the future of Shortwave Infrared Light Source.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Shortwave Infrared Light Source market. It includes factors influencing customer ' purchasing decisions, preferences for Shortwave Infrared Light Source product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Shortwave Infrared Light Source market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Shortwave Infrared Light Source 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 Shortwave Infrared Light Source market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Shortwave Infrared Light Source 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 Shortwave Infrared Light Source market.

**Market Segmentation:**

Shortwave Infrared Light Source market is split by Type and by Application. For the period 2018-2029, 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**

Wavelength 900nm-1500nm

Wavelength 1500nm-2000nm

Wavelength 2000nm-2500nm

Others

**Segmentation by application**

Agriculture

Food

Photovoltaic

Electronics & Semiconductors

Medical

Others

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.

Hamamatsu

DOWA Electronics Materials

ROHM

Myutron

Dongguan LOTS Automation Technology Co.,Ltd

VS Technology

Shanghai Weilang Photoelectric Technology Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Shortwave Infrared Light Source market?

What factors are driving Shortwave Infrared Light Source market growth, globally and by region?

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

How do Shortwave Infrared Light Source market opportunities vary by end market size?

How does Shortwave Infrared Light Source break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

## 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 Shortwave Infrared Light Source Annual Sales 2018-2029
  - 2.1.2 World Current & Future Analysis for Shortwave Infrared Light Source by Geographic Region, 2018, 2022 & 2029
  - 2.1.3 World Current & Future Analysis for Shortwave Infrared Light Source by Country/Region, 2018, 2022 & 2029
- 2.2 Shortwave Infrared Light Source Segment by Type
  - 2.2.1 Wavelength 900nm-1500nm
  - 2.2.2 Wavelength 1500nm-2000nm
  - 2.2.3 Wavelength 2000nm-2500nm
  - 2.2.4 Others
- 2.3 Shortwave Infrared Light Source Sales by Type
  - 2.3.1 Global Shortwave Infrared Light Source Sales Market Share by Type (2018-2023)
  - 2.3.2 Global Shortwave Infrared Light Source Revenue and Market Share by Type (2018-2023)
  - 2.3.3 Global Shortwave Infrared Light Source Sale Price by Type (2018-2023)
- 2.4 Shortwave Infrared Light Source Segment by Application
  - 2.4.1 Agriculture
  - 2.4.2 Food
  - 2.4.3 Photovoltaic
  - 2.4.4 Electronics & Semiconductors
  - 2.4.5 Medical
  - 2.4.6 Others

## 2.5 Shortwave Infrared Light Source Sales by Application

2.5.1 Global Shortwave Infrared Light Source Sale Market Share by Application (2018-2023)

2.5.2 Global Shortwave Infrared Light Source Revenue and Market Share by Application (2018-2023)

2.5.3 Global Shortwave Infrared Light Source Sale Price by Application (2018-2023)

## **3 GLOBAL SHORTWAVE INFRARED LIGHT SOURCE BY COMPANY**

### 3.1 Global Shortwave Infrared Light Source Breakdown Data by Company

3.1.1 Global Shortwave Infrared Light Source Annual Sales by Company (2018-2023)

3.1.2 Global Shortwave Infrared Light Source Sales Market Share by Company (2018-2023)

### 3.2 Global Shortwave Infrared Light Source Annual Revenue by Company (2018-2023)

3.2.1 Global Shortwave Infrared Light Source Revenue by Company (2018-2023)

3.2.2 Global Shortwave Infrared Light Source Revenue Market Share by Company (2018-2023)

### 3.3 Global Shortwave Infrared Light Source Sale Price by Company

### 3.4 Key Manufacturers Shortwave Infrared Light Source Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Shortwave Infrared Light Source Product Location Distribution

3.4.2 Players Shortwave Infrared Light Source Products Offered

### 3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

### 3.6 New Products and Potential Entrants

### 3.7 Mergers & Acquisitions, Expansion

## **4 WORLD HISTORIC REVIEW FOR SHORTWAVE INFRARED LIGHT SOURCE BY GEOGRAPHIC REGION**

4.1 World Historic Shortwave Infrared Light Source Market Size by Geographic Region (2018-2023)

4.1.1 Global Shortwave Infrared Light Source Annual Sales by Geographic Region (2018-2023)

4.1.2 Global Shortwave Infrared Light Source Annual Revenue by Geographic Region (2018-2023)

4.2 World Historic Shortwave Infrared Light Source Market Size by Country/Region



(2018-2023)

4.2.1 Global Shortwave Infrared Light Source Annual Sales by Country/Region

(2018-2023)

4.2.2 Global Shortwave Infrared Light Source Annual Revenue by Country/Region

(2018-2023)

4.3 Americas Shortwave Infrared Light Source Sales Growth

4.4 APAC Shortwave Infrared Light Source Sales Growth

4.5 Europe Shortwave Infrared Light Source Sales Growth

4.6 Middle East & Africa Shortwave Infrared Light Source Sales Growth

## **5 AMERICAS**

5.1 Americas Shortwave Infrared Light Source Sales by Country

5.1.1 Americas Shortwave Infrared Light Source Sales by Country (2018-2023)

5.1.2 Americas Shortwave Infrared Light Source Revenue by Country (2018-2023)

5.2 Americas Shortwave Infrared Light Source Sales by Type

5.3 Americas Shortwave Infrared Light Source Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Shortwave Infrared Light Source Sales by Region

6.1.1 APAC Shortwave Infrared Light Source Sales by Region (2018-2023)

6.1.2 APAC Shortwave Infrared Light Source Revenue by Region (2018-2023)

6.2 APAC Shortwave Infrared Light Source Sales by Type

6.3 APAC Shortwave Infrared Light Source 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 Shortwave Infrared Light Source by Country
  - 7.1.1 Europe Shortwave Infrared Light Source Sales by Country (2018-2023)
  - 7.1.2 Europe Shortwave Infrared Light Source Revenue by Country (2018-2023)
- 7.2 Europe Shortwave Infrared Light Source Sales by Type
- 7.3 Europe Shortwave Infrared Light Source 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 Shortwave Infrared Light Source by Country
  - 8.1.1 Middle East & Africa Shortwave Infrared Light Source Sales by Country (2018-2023)
  - 8.1.2 Middle East & Africa Shortwave Infrared Light Source Revenue by Country (2018-2023)
- 8.2 Middle East & Africa Shortwave Infrared Light Source Sales by Type
- 8.3 Middle East & Africa Shortwave Infrared Light Source 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 Shortwave Infrared Light Source
- 10.3 Manufacturing Process Analysis of Shortwave Infrared Light Source
- 10.4 Industry Chain Structure of Shortwave Infrared Light Source

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Shortwave Infrared Light Source Distributors
- 11.3 Shortwave Infrared Light Source Customer

## **12 WORLD FORECAST REVIEW FOR SHORTWAVE INFRARED LIGHT SOURCE BY GEOGRAPHIC REGION**

- 12.1 Global Shortwave Infrared Light Source Market Size Forecast by Region
  - 12.1.1 Global Shortwave Infrared Light Source Forecast by Region (2024-2029)
  - 12.1.2 Global Shortwave Infrared Light Source Annual Revenue Forecast by Region (2024-2029)
- 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 Shortwave Infrared Light Source Forecast by Type
- 12.7 Global Shortwave Infrared Light Source Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Hamamatsu
  - 13.1.1 Hamamatsu Company Information
  - 13.1.2 Hamamatsu Shortwave Infrared Light Source Product Portfolios and Specifications
  - 13.1.3 Hamamatsu Shortwave Infrared Light Source Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.1.4 Hamamatsu Main Business Overview
  - 13.1.5 Hamamatsu Latest Developments
- 13.2 DOWA Electronics Materials
  - 13.2.1 DOWA Electronics Materials Company Information
  - 13.2.2 DOWA Electronics Materials Shortwave Infrared Light Source Product Portfolios and Specifications
  - 13.2.3 DOWA Electronics Materials Shortwave Infrared Light Source Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.2.4 DOWA Electronics Materials Main Business Overview

### 13.2.5 DOWA Electronics Materials Latest Developments

## 13.3 ROHM

### 13.3.1 ROHM Company Information

### 13.3.2 ROHM Shortwave Infrared Light Source Product Portfolios and Specifications

### 13.3.3 ROHM Shortwave Infrared Light Source Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.3.4 ROHM Main Business Overview

### 13.3.5 ROHM Latest Developments

## 13.4 Myutron

### 13.4.1 Myutron Company Information

### 13.4.2 Myutron Shortwave Infrared Light Source Product Portfolios and Specifications

### 13.4.3 Myutron Shortwave Infrared Light Source Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.4.4 Myutron Main Business Overview

### 13.4.5 Myutron Latest Developments

## 13.5 Dongguan LOTS Automation Technology Co.,Ltd

### 13.5.1 Dongguan LOTS Automation Technology Co.,Ltd Company Information

### 13.5.2 Dongguan LOTS Automation Technology Co.,Ltd Shortwave Infrared Light Source Product Portfolios and Specifications

### 13.5.3 Dongguan LOTS Automation Technology Co.,Ltd Shortwave Infrared Light Source Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.5.4 Dongguan LOTS Automation Technology Co.,Ltd Main Business Overview

### 13.5.5 Dongguan LOTS Automation Technology Co.,Ltd Latest Developments

## 13.6 VS Technology

### 13.6.1 VS Technology Company Information

### 13.6.2 VS Technology Shortwave Infrared Light Source Product Portfolios and Specifications

### 13.6.3 VS Technology Shortwave Infrared Light Source Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.6.4 VS Technology Main Business Overview

### 13.6.5 VS Technology Latest Developments

## 13.7 Shanghai Weilang Photoelectric Technology Co., Ltd.

### 13.7.1 Shanghai Weilang Photoelectric Technology Co., Ltd. Company Information

### 13.7.2 Shanghai Weilang Photoelectric Technology Co., Ltd. Shortwave Infrared Light Source Product Portfolios and Specifications

### 13.7.3 Shanghai Weilang Photoelectric Technology Co., Ltd. Shortwave Infrared Light Source Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.7.4 Shanghai Weilang Photoelectric Technology Co., Ltd. Main Business Overview

### 13.7.5 Shanghai Weilang Photoelectric Technology Co., Ltd. Latest Developments

## 14 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

Table 1. Shortwave Infrared Light Source Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. Shortwave Infrared Light Source Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Wavelength 900nm-1500nm

Table 4. Major Players of Wavelength 1500nm-2000nm

Table 5. Major Players of Wavelength 2000nm-2500nm

Table 6. Major Players of Others

Table 7. Global Shortwave Infrared Light Source Sales by Type (2018-2023) & (K Units)

Table 8. Global Shortwave Infrared Light Source Sales Market Share by Type (2018-2023)

Table 9. Global Shortwave Infrared Light Source Revenue by Type (2018-2023) & (\$ million)

Table 10. Global Shortwave Infrared Light Source Revenue Market Share by Type (2018-2023)

Table 11. Global Shortwave Infrared Light Source Sale Price by Type (2018-2023) & (US\$/Unit)

Table 12. Global Shortwave Infrared Light Source Sales by Application (2018-2023) & (K Units)

Table 13. Global Shortwave Infrared Light Source Sales Market Share by Application (2018-2023)

Table 14. Global Shortwave Infrared Light Source Revenue by Application (2018-2023)

Table 15. Global Shortwave Infrared Light Source Revenue Market Share by Application (2018-2023)

Table 16. Global Shortwave Infrared Light Source Sale Price by Application (2018-2023) & (US\$/Unit)

Table 17. Global Shortwave Infrared Light Source Sales by Company (2018-2023) & (K Units)

Table 18. Global Shortwave Infrared Light Source Sales Market Share by Company (2018-2023)

Table 19. Global Shortwave Infrared Light Source Revenue by Company (2018-2023) (\$ Millions)

Table 20. Global Shortwave Infrared Light Source Revenue Market Share by Company (2018-2023)

Table 21. Global Shortwave Infrared Light Source Sale Price by Company (2018-2023)

& (US\$/Unit)

Table 22. Key Manufacturers Shortwave Infrared Light Source Producing Area Distribution and Sales Area

Table 23. Players Shortwave Infrared Light Source Products Offered

Table 24. Shortwave Infrared Light Source Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 25. New Products and Potential Entrants

Table 26. Mergers & Acquisitions, Expansion

Table 27. Global Shortwave Infrared Light Source Sales by Geographic Region (2018-2023) & (K Units)

Table 28. Global Shortwave Infrared Light Source Sales Market Share Geographic Region (2018-2023)

Table 29. Global Shortwave Infrared Light Source Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 30. Global Shortwave Infrared Light Source Revenue Market Share by Geographic Region (2018-2023)

Table 31. Global Shortwave Infrared Light Source Sales by Country/Region (2018-2023) & (K Units)

Table 32. Global Shortwave Infrared Light Source Sales Market Share by Country/Region (2018-2023)

Table 33. Global Shortwave Infrared Light Source Revenue by Country/Region (2018-2023) & (\$ millions)

Table 34. Global Shortwave Infrared Light Source Revenue Market Share by Country/Region (2018-2023)

Table 35. Americas Shortwave Infrared Light Source Sales by Country (2018-2023) & (K Units)

Table 36. Americas Shortwave Infrared Light Source Sales Market Share by Country (2018-2023)

Table 37. Americas Shortwave Infrared Light Source Revenue by Country (2018-2023) & (\$ Millions)

Table 38. Americas Shortwave Infrared Light Source Revenue Market Share by Country (2018-2023)

Table 39. Americas Shortwave Infrared Light Source Sales by Type (2018-2023) & (K Units)

Table 40. Americas Shortwave Infrared Light Source Sales by Application (2018-2023) & (K Units)

Table 41. APAC Shortwave Infrared Light Source Sales by Region (2018-2023) & (K Units)

Table 42. APAC Shortwave Infrared Light Source Sales Market Share by Region



(2018-2023)

Table 43. APAC Shortwave Infrared Light Source Revenue by Region (2018-2023) & (\$ Millions)

Table 44. APAC Shortwave Infrared Light Source Revenue Market Share by Region (2018-2023)

Table 45. APAC Shortwave Infrared Light Source Sales by Type (2018-2023) & (K Units)

Table 46. APAC Shortwave Infrared Light Source Sales by Application (2018-2023) & (K Units)

Table 47. Europe Shortwave Infrared Light Source Sales by Country (2018-2023) & (K Units)

Table 48. Europe Shortwave Infrared Light Source Sales Market Share by Country (2018-2023)

Table 49. Europe Shortwave Infrared Light Source Revenue by Country (2018-2023) & (\$ Millions)

Table 50. Europe Shortwave Infrared Light Source Revenue Market Share by Country (2018-2023)

Table 51. Europe Shortwave Infrared Light Source Sales by Type (2018-2023) & (K Units)

Table 52. Europe Shortwave Infrared Light Source Sales by Application (2018-2023) & (K Units)

Table 53. Middle East & Africa Shortwave Infrared Light Source Sales by Country (2018-2023) & (K Units)

Table 54. Middle East & Africa Shortwave Infrared Light Source Sales Market Share by Country (2018-2023)

Table 55. Middle East & Africa Shortwave Infrared Light Source Revenue by Country (2018-2023) & (\$ Millions)

Table 56. Middle East & Africa Shortwave Infrared Light Source Revenue Market Share by Country (2018-2023)

Table 57. Middle East & Africa Shortwave Infrared Light Source Sales by Type (2018-2023) & (K Units)

Table 58. Middle East & Africa Shortwave Infrared Light Source Sales by Application (2018-2023) & (K Units)

Table 59. Key Market Drivers & Growth Opportunities of Shortwave Infrared Light Source

Table 60. Key Market Challenges & Risks of Shortwave Infrared Light Source

Table 61. Key Industry Trends of Shortwave Infrared Light Source

Table 62. Shortwave Infrared Light Source Raw Material

Table 63. Key Suppliers of Raw Materials



- Table 64. Shortwave Infrared Light Source Distributors List
- Table 65. Shortwave Infrared Light Source Customer List
- Table 66. Global Shortwave Infrared Light Source Sales Forecast by Region (2024-2029) & (K Units)
- Table 67. Global Shortwave Infrared Light Source Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 68. Americas Shortwave Infrared Light Source Sales Forecast by Country (2024-2029) & (K Units)
- Table 69. Americas Shortwave Infrared Light Source Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 70. APAC Shortwave Infrared Light Source Sales Forecast by Region (2024-2029) & (K Units)
- Table 71. APAC Shortwave Infrared Light Source Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 72. Europe Shortwave Infrared Light Source Sales Forecast by Country (2024-2029) & (K Units)
- Table 73. Europe Shortwave Infrared Light Source Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 74. Middle East & Africa Shortwave Infrared Light Source Sales Forecast by Country (2024-2029) & (K Units)
- Table 75. Middle East & Africa Shortwave Infrared Light Source Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 76. Global Shortwave Infrared Light Source Sales Forecast by Type (2024-2029) & (K Units)
- Table 77. Global Shortwave Infrared Light Source Revenue Forecast by Type (2024-2029) & (\$ Millions)
- Table 78. Global Shortwave Infrared Light Source Sales Forecast by Application (2024-2029) & (K Units)
- Table 79. Global Shortwave Infrared Light Source Revenue Forecast by Application (2024-2029) & (\$ Millions)
- Table 80. Hamamatsu Basic Information, Shortwave Infrared Light Source Manufacturing Base, Sales Area and Its Competitors
- Table 81. Hamamatsu Shortwave Infrared Light Source Product Portfolios and Specifications
- Table 82. Hamamatsu Shortwave Infrared Light Source Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 83. Hamamatsu Main Business
- Table 84. Hamamatsu Latest Developments
- Table 85. DOWA Electronics Materials Basic Information, Shortwave Infrared Light

Source Manufacturing Base, Sales Area and Its Competitors

Table 86. DOWA Electronics Materials Shortwave Infrared Light Source Product Portfolios and Specifications

Table 87. DOWA Electronics Materials Shortwave Infrared Light Source Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 88. DOWA Electronics Materials Main Business

Table 89. DOWA Electronics Materials Latest Developments

Table 90. ROHM Basic Information, Shortwave Infrared Light Source Manufacturing Base, Sales Area and Its Competitors

Table 91. ROHM Shortwave Infrared Light Source Product Portfolios and Specifications

Table 92. ROHM Shortwave Infrared Light Source Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 93. ROHM Main Business

Table 94. ROHM Latest Developments

Table 95. Myutron Basic Information, Shortwave Infrared Light Source Manufacturing Base, Sales Area and Its Competitors

Table 96. Myutron Shortwave Infrared Light Source Product Portfolios and Specifications

Table 97. Myutron Shortwave Infrared Light Source Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 98. Myutron Main Business

Table 99. Myutron Latest Developments

Table 100. Dongguan LOTS Automation Technology Co.,Ltd Basic Information, Shortwave Infrared Light Source Manufacturing Base, Sales Area and Its Competitors

Table 101. Dongguan LOTS Automation Technology Co.,Ltd Shortwave Infrared Light Source Product Portfolios and Specifications

Table 102. Dongguan LOTS Automation Technology Co.,Ltd Shortwave Infrared Light Source Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 103. Dongguan LOTS Automation Technology Co.,Ltd Main Business

Table 104. Dongguan LOTS Automation Technology Co.,Ltd Latest Developments

Table 105. VS Technology Basic Information, Shortwave Infrared Light Source Manufacturing Base, Sales Area and Its Competitors

Table 106. VS Technology Shortwave Infrared Light Source Product Portfolios and Specifications

Table 107. VS Technology Shortwave Infrared Light Source Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 108. VS Technology Main Business

Table 109. VS Technology Latest Developments

Table 110. Shanghai Weilang Photoelectric Technology Co., Ltd. Basic Information, Shortwave Infrared Light Source Manufacturing Base, Sales Area and Its Competitors

Table 111. Shanghai Weilang Photoelectric Technology Co., Ltd. Shortwave Infrared Light Source Product Portfolios and Specifications

Table 112. Shanghai Weilang Photoelectric Technology Co., Ltd. Shortwave Infrared Light Source Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 113. Shanghai Weilang Photoelectric Technology Co., Ltd. Main Business

Table 114. Shanghai Weilang Photoelectric Technology Co., Ltd. Latest Developments  
List of Figures

Figure 1. Picture of Shortwave Infrared Light Source

Figure 2. Shortwave Infrared Light Source Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Shortwave Infrared Light Source Sales Growth Rate 2018-2029 (K Units)

Figure 7. Global Shortwave Infrared Light Source Revenue Growth Rate 2018-2029 (\$ Millions)

Figure 8. Shortwave Infrared Light Source Sales by Region (2018, 2022 & 2029) & (\$ Millions)

Figure 9. Product Picture of Wavelength 900nm-1500nm

Figure 10. Product Picture of Wavelength 1500nm-2000nm

Figure 11. Product Picture of Wavelength 2000nm-2500nm

Figure 12. Product Picture of Others

Figure 13. Global Shortwave Infrared Light Source Sales Market Share by Type in 2022

Figure 14. Global Shortwave Infrared Light Source Revenue Market Share by Type (2018-2023)

Figure 15. Shortwave Infrared Light Source Consumed in Agriculture

Figure 16. Global Shortwave Infrared Light Source Market: Agriculture (2018-2023) & (K Units)

Figure 17. Shortwave Infrared Light Source Consumed in Food

Figure 18. Global Shortwave Infrared Light Source Market: Food (2018-2023) & (K Units)

Figure 19. Shortwave Infrared Light Source Consumed in Photovoltaic

Figure 20. Global Shortwave Infrared Light Source Market: Photovoltaic (2018-2023) & (K Units)

Figure 21. Shortwave Infrared Light Source Consumed in Electronics & Semiconductors

Figure 22. Global Shortwave Infrared Light Source Market: Electronics &

Semiconductors (2018-2023) & (K Units)

Figure 23. Shortwave Infrared Light Source Consumed in Medical

Figure 24. Global Shortwave Infrared Light Source Market: Medical (2018-2023) & (K Units)

Figure 25. Shortwave Infrared Light Source Consumed in Others

Figure 26. Global Shortwave Infrared Light Source Market: Others (2018-2023) & (K Units)

Figure 27. Global Shortwave Infrared Light Source Sales Market Share by Application (2022)

Figure 28. Global Shortwave Infrared Light Source Revenue Market Share by Application in 2022

Figure 29. Shortwave Infrared Light Source Sales Market by Company in 2022 (K Units)

Figure 30. Global Shortwave Infrared Light Source Sales Market Share by Company in 2022

Figure 31. Shortwave Infrared Light Source Revenue Market by Company in 2022 (\$ Million)

Figure 32. Global Shortwave Infrared Light Source Revenue Market Share by Company in 2022

Figure 33. Global Shortwave Infrared Light Source Sales Market Share by Geographic Region (2018-2023)

Figure 34. Global Shortwave Infrared Light Source Revenue Market Share by Geographic Region in 2022

Figure 35. Americas Shortwave Infrared Light Source Sales 2018-2023 (K Units)

Figure 36. Americas Shortwave Infrared Light Source Revenue 2018-2023 (\$ Millions)

Figure 37. APAC Shortwave Infrared Light Source Sales 2018-2023 (K Units)

Figure 38. APAC Shortwave Infrared Light Source Revenue 2018-2023 (\$ Millions)

Figure 39. Europe Shortwave Infrared Light Source Sales 2018-2023 (K Units)

Figure 40. Europe Shortwave Infrared Light Source Revenue 2018-2023 (\$ Millions)

Figure 41. Middle East & Africa Shortwave Infrared Light Source Sales 2018-2023 (K Units)

Figure 42. Middle East & Africa Shortwave Infrared Light Source Revenue 2018-2023 (\$ Millions)

Figure 43. Americas Shortwave Infrared Light Source Sales Market Share by Country in 2022

Figure 44. Americas Shortwave Infrared Light Source Revenue Market Share by Country in 2022

Figure 45. Americas Shortwave Infrared Light Source Sales Market Share by Type (2018-2023)

Figure 46. Americas Shortwave Infrared Light Source Sales Market Share by

Application (2018-2023)

Figure 47. United States Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 48. Canada Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 49. Mexico Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 50. Brazil Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 51. APAC Shortwave Infrared Light Source Sales Market Share by Region in 2022

Figure 52. APAC Shortwave Infrared Light Source Revenue Market Share by Regions in 2022

Figure 53. APAC Shortwave Infrared Light Source Sales Market Share by Type (2018-2023)

Figure 54. APAC Shortwave Infrared Light Source Sales Market Share by Application (2018-2023)

Figure 55. China Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 56. Japan Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 57. South Korea Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 58. Southeast Asia Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 59. India Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 60. Australia Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 61. China Taiwan Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 62. Europe Shortwave Infrared Light Source Sales Market Share by Country in 2022

Figure 63. Europe Shortwave Infrared Light Source Revenue Market Share by Country in 2022

Figure 64. Europe Shortwave Infrared Light Source Sales Market Share by Type (2018-2023)

Figure 65. Europe Shortwave Infrared Light Source Sales Market Share by Application (2018-2023)



Figure 66. Germany Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 67. France Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 68. UK Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 69. Italy Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 70. Russia Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 71. Middle East & Africa Shortwave Infrared Light Source Sales Market Share by Country in 2022

Figure 72. Middle East & Africa Shortwave Infrared Light Source Revenue Market Share by Country in 2022

Figure 73. Middle East & Africa Shortwave Infrared Light Source Sales Market Share by Type (2018-2023)

Figure 74. Middle East & Africa Shortwave Infrared Light Source Sales Market Share by Application (2018-2023)

Figure 75. Egypt Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 76. South Africa Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 77. Israel Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 78. Turkey Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 79. GCC Country Shortwave Infrared Light Source Revenue Growth 2018-2023 (\$ Millions)

Figure 80. Manufacturing Cost Structure Analysis of Shortwave Infrared Light Source in 2022

Figure 81. Manufacturing Process Analysis of Shortwave Infrared Light Source

Figure 82. Industry Chain Structure of Shortwave Infrared Light Source

Figure 83. Channels of Distribution

Figure 84. Global Shortwave Infrared Light Source Sales Market Forecast by Region (2024-2029)

Figure 85. Global Shortwave Infrared Light Source Revenue Market Share Forecast by Region (2024-2029)

Figure 86. Global Shortwave Infrared Light Source Sales Market Share Forecast by Type (2024-2029)

Figure 87. Global Shortwave Infrared Light Source Revenue Market Share Forecast by

Type (2024-2029)

Figure 88. Global Shortwave Infrared Light Source Sales Market Share Forecast by Application (2024-2029)

Figure 89. Global Shortwave Infrared Light Source Revenue Market Share Forecast by Application (2024-2029)

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