

Global Single Mode Laser Diode Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GC68A6A69450EN.html>

Date: August 2025

Pages: 150

Price: US\$ 3,480.00 (Single User License)

ID: GC68A6A69450EN

Abstracts

According to our (Global Info Research) latest study, the global Single Mode Laser Diode market size was valued at US\$ 304 million in 2024 and is forecast to a readjusted size of USD 525 million by 2031 with a CAGR of 8.2% during review period.

Laser diodes are electrically pumped semiconductor lasers in which the gain is generated by an electrical current flowing through a p–n junction or (more frequently) a p–i–n structure. In such a heterostructure, electrons and holes can recombine, releasing the energy portions as photons. This process can be spontaneous, but can also be stimulated by incident photons, in effect leading to optical amplification, and with optical feedback in a laser resonator to laser oscillation. A blue laser diode emits electromagnetic radiation with a wavelength between 405 and 483 nanometres, which the human eye sees as blue or violet. A single mode blue laser diode has only one mode of light to propagate.

This report includes the Single-Mode Blue Laser Diode wavelength (400nm~483nm) and it don't includes the data of Blue Laser Diode module or Blue Diode Laser.

The industry is concentration, the key brand include Sony, Nichia, Sharp, Osram Opto Semiconductors, TOPTICA Photonics Inc, Egismos Technology Corporation and Ondax. These companies occupied more than 90% market share by revenue. Japan is the largest consumption place, with a consumption market share nearly 56%, Following Japan, Europe is the second largest consumption place with the consumption market share of 17%.

This report is a detailed and comprehensive analysis for global Single Mode Laser

Diode market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Single Mode Laser Diode market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single Mode Laser Diode market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single Mode Laser Diode market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single Mode Laser Diode market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Single Mode Laser Diode
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Single Mode Laser Diode market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sheauermann, QPhotonics, Innolume, Laser Components, Lasertack, ROHM, Eagleyard, CNI laser, Ushio, Coherent, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Single Mode Laser Diode market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Fiber-Coupled Laser Diode

Free Space Laser Diode

Others

Market segment by Application

Metrology

Spectroscopy

Bioanalytics

Life Sciences

Others

Major players covered

Sheaumann

QPhotonics

Innolume

Laser Components

Lasertack

ROHM

Eagleyard

CNI laser

Ushio

Coherent

TOPTICA Photonics

OSI Laser Diode

LasersCom

SemiNex Corporation

Nichia Corporation

DenseLight Semiconductors

Lumics

Idealphotonics

Wavespectrum Laser

Nolatech

Innovative Photonic Solutions

Newport Corporation

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Single Mode Laser Diode product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Single Mode Laser Diode, with price, sales quantity, revenue, and global market share of Single Mode Laser Diode from 2020 to 2025.

Chapter 3, the Single Mode Laser Diode competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Single Mode Laser Diode breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Single Mode Laser Diode market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Single Mode Laser Diode.

Chapter 14 and 15, to describe Single Mode Laser Diode sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Single Mode Laser Diode Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Fiber-Coupled Laser Diode

1.3.3 Free Space Laser Diode

1.3.4 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Single Mode Laser Diode Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Metrology

1.4.3 Spectroscopy

1.4.4 Bioanalytics

1.4.5 Life Sciences

1.4.6 Others

1.5 Global Single Mode Laser Diode Market Size & Forecast

1.5.1 Global Single Mode Laser Diode Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Single Mode Laser Diode Sales Quantity (2020-2031)

1.5.3 Global Single Mode Laser Diode Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Sheumann

2.1.1 Sheumann Details

2.1.2 Sheumann Major Business

2.1.3 Sheumann Single Mode Laser Diode Product and Services

2.1.4 Sheumann Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Sheumann Recent Developments/Updates

2.2 QPhotonics

2.2.1 QPhotonics Details

2.2.2 QPhotonics Major Business

2.2.3 QPhotonics Single Mode Laser Diode Product and Services

2.2.4 QPhotonics Single Mode Laser Diode Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.2.5 QPhotonics Recent Developments/Updates

2.3 Innolume

2.3.1 Innolume Details

2.3.2 Innolume Major Business

2.3.3 Innolume Single Mode Laser Diode Product and Services

2.3.4 Innolume Single Mode Laser Diode Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.3.5 Innolume Recent Developments/Updates

2.4 Laser Components

2.4.1 Laser Components Details

2.4.2 Laser Components Major Business

2.4.3 Laser Components Single Mode Laser Diode Product and Services

2.4.4 Laser Components Single Mode Laser Diode Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Laser Components Recent Developments/Updates

2.5 Lasertack

2.5.1 Lasertack Details

2.5.2 Lasertack Major Business

2.5.3 Lasertack Single Mode Laser Diode Product and Services

2.5.4 Lasertack Single Mode Laser Diode Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.5.5 Lasertack Recent Developments/Updates

2.6 ROHM

2.6.1 ROHM Details

2.6.2 ROHM Major Business

2.6.3 ROHM Single Mode Laser Diode Product and Services

2.6.4 ROHM Single Mode Laser Diode Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.6.5 ROHM Recent Developments/Updates

2.7 Eagleyard

2.7.1 Eagleyard Details

2.7.2 Eagleyard Major Business

2.7.3 Eagleyard Single Mode Laser Diode Product and Services

2.7.4 Eagleyard Single Mode Laser Diode Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.7.5 Eagleyard Recent Developments/Updates

2.8 CNI laser

2.8.1 CNI laser Details

- 2.8.2 CNI laser Major Business
- 2.8.3 CNI laser Single Mode Laser Diode Product and Services
- 2.8.4 CNI laser Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 CNI laser Recent Developments/Updates
- 2.9 Ushio
 - 2.9.1 Ushio Details
 - 2.9.2 Ushio Major Business
 - 2.9.3 Ushio Single Mode Laser Diode Product and Services
 - 2.9.4 Ushio Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Ushio Recent Developments/Updates
- 2.10 Coherent
 - 2.10.1 Coherent Details
 - 2.10.2 Coherent Major Business
 - 2.10.3 Coherent Single Mode Laser Diode Product and Services
 - 2.10.4 Coherent Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Coherent Recent Developments/Updates
- 2.11 TOPTICA Photonics
 - 2.11.1 TOPTICA Photonics Details
 - 2.11.2 TOPTICA Photonics Major Business
 - 2.11.3 TOPTICA Photonics Single Mode Laser Diode Product and Services
 - 2.11.4 TOPTICA Photonics Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 TOPTICA Photonics Recent Developments/Updates
- 2.12 OSI Laser Diode
 - 2.12.1 OSI Laser Diode Details
 - 2.12.2 OSI Laser Diode Major Business
 - 2.12.3 OSI Laser Diode Single Mode Laser Diode Product and Services
 - 2.12.4 OSI Laser Diode Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 OSI Laser Diode Recent Developments/Updates
- 2.13 LasersCom
 - 2.13.1 LasersCom Details
 - 2.13.2 LasersCom Major Business
 - 2.13.3 LasersCom Single Mode Laser Diode Product and Services
 - 2.13.4 LasersCom Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.13.5 LasersCom Recent Developments/Updates
- 2.14 SemiNex Corporation
 - 2.14.1 SemiNex Corporation Details
 - 2.14.2 SemiNex Corporation Major Business
 - 2.14.3 SemiNex Corporation Single Mode Laser Diode Product and Services
 - 2.14.4 SemiNex Corporation Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 SemiNex Corporation Recent Developments/Updates
- 2.15 Nichia Corporation
 - 2.15.1 Nichia Corporation Details
 - 2.15.2 Nichia Corporation Major Business
 - 2.15.3 Nichia Corporation Single Mode Laser Diode Product and Services
 - 2.15.4 Nichia Corporation Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Nichia Corporation Recent Developments/Updates
- 2.16 DenseLight Semiconductors
 - 2.16.1 DenseLight Semiconductors Details
 - 2.16.2 DenseLight Semiconductors Major Business
 - 2.16.3 DenseLight Semiconductors Single Mode Laser Diode Product and Services
 - 2.16.4 DenseLight Semiconductors Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 DenseLight Semiconductors Recent Developments/Updates
- 2.17 Lumics
 - 2.17.1 Lumics Details
 - 2.17.2 Lumics Major Business
 - 2.17.3 Lumics Single Mode Laser Diode Product and Services
 - 2.17.4 Lumics Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Lumics Recent Developments/Updates
- 2.18 Idealphotonics
 - 2.18.1 Idealphotonics Details
 - 2.18.2 Idealphotonics Major Business
 - 2.18.3 Idealphotonics Single Mode Laser Diode Product and Services
 - 2.18.4 Idealphotonics Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.18.5 Idealphotonics Recent Developments/Updates
- 2.19 Wavespectrum Laser
 - 2.19.1 Wavespectrum Laser Details
 - 2.19.2 Wavespectrum Laser Major Business

- 2.19.3 Wavespectrum Laser Single Mode Laser Diode Product and Services
- 2.19.4 Wavespectrum Laser Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.19.5 Wavespectrum Laser Recent Developments/Updates
- 2.20 Nolatech
 - 2.20.1 Nolatech Details
 - 2.20.2 Nolatech Major Business
 - 2.20.3 Nolatech Single Mode Laser Diode Product and Services
 - 2.20.4 Nolatech Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.20.5 Nolatech Recent Developments/Updates
- 2.21 Innovative Photonic Solutions
 - 2.21.1 Innovative Photonic Solutions Details
 - 2.21.2 Innovative Photonic Solutions Major Business
 - 2.21.3 Innovative Photonic Solutions Single Mode Laser Diode Product and Services
 - 2.21.4 Innovative Photonic Solutions Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.21.5 Innovative Photonic Solutions Recent Developments/Updates
- 2.22 Newport Corporation
 - 2.22.1 Newport Corporation Details
 - 2.22.2 Newport Corporation Major Business
 - 2.22.3 Newport Corporation Single Mode Laser Diode Product and Services
 - 2.22.4 Newport Corporation Single Mode Laser Diode Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.22.5 Newport Corporation Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SINGLE MODE LASER DIODE BY MANUFACTURER

- 3.1 Global Single Mode Laser Diode Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Single Mode Laser Diode Revenue by Manufacturer (2020-2025)
- 3.3 Global Single Mode Laser Diode Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Single Mode Laser Diode by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Single Mode Laser Diode Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Single Mode Laser Diode Manufacturer Market Share in 2024
- 3.5 Single Mode Laser Diode Market: Overall Company Footprint Analysis
 - 3.5.1 Single Mode Laser Diode Market: Region Footprint

- 3.5.2 Single Mode Laser Diode Market: Company Product Type Footprint
- 3.5.3 Single Mode Laser Diode Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Single Mode Laser Diode Market Size by Region
 - 4.1.1 Global Single Mode Laser Diode Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Single Mode Laser Diode Consumption Value by Region (2020-2031)
 - 4.1.3 Global Single Mode Laser Diode Average Price by Region (2020-2031)
- 4.2 North America Single Mode Laser Diode Consumption Value (2020-2031)
- 4.3 Europe Single Mode Laser Diode Consumption Value (2020-2031)
- 4.4 Asia-Pacific Single Mode Laser Diode Consumption Value (2020-2031)
- 4.5 South America Single Mode Laser Diode Consumption Value (2020-2031)
- 4.6 Middle East & Africa Single Mode Laser Diode Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Single Mode Laser Diode Sales Quantity by Type (2020-2031)
- 5.2 Global Single Mode Laser Diode Consumption Value by Type (2020-2031)
- 5.3 Global Single Mode Laser Diode Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Single Mode Laser Diode Sales Quantity by Application (2020-2031)
- 6.2 Global Single Mode Laser Diode Consumption Value by Application (2020-2031)
- 6.3 Global Single Mode Laser Diode Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Single Mode Laser Diode Sales Quantity by Type (2020-2031)
- 7.2 North America Single Mode Laser Diode Sales Quantity by Application (2020-2031)
- 7.3 North America Single Mode Laser Diode Market Size by Country
 - 7.3.1 North America Single Mode Laser Diode Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Single Mode Laser Diode Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Single Mode Laser Diode Sales Quantity by Type (2020-2031)

8.2 Europe Single Mode Laser Diode Sales Quantity by Application (2020-2031)

8.3 Europe Single Mode Laser Diode Market Size by Country

8.3.1 Europe Single Mode Laser Diode Sales Quantity by Country (2020-2031)

8.3.2 Europe Single Mode Laser Diode Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Single Mode Laser Diode Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Single Mode Laser Diode Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Single Mode Laser Diode Market Size by Region

9.3.1 Asia-Pacific Single Mode Laser Diode Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Single Mode Laser Diode Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Single Mode Laser Diode Sales Quantity by Type (2020-2031)

10.2 South America Single Mode Laser Diode Sales Quantity by Application (2020-2031)

10.3 South America Single Mode Laser Diode Market Size by Country

10.3.1 South America Single Mode Laser Diode Sales Quantity by Country (2020-2031)

10.3.2 South America Single Mode Laser Diode Consumption Value by Country

(2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Single Mode Laser Diode Sales Quantity by Type

(2020-2031)

11.2 Middle East & Africa Single Mode Laser Diode Sales Quantity by Application

(2020-2031)

11.3 Middle East & Africa Single Mode Laser Diode Market Size by Country

11.3.1 Middle East & Africa Single Mode Laser Diode Sales Quantity by Country
(2020-2031)

11.3.2 Middle East & Africa Single Mode Laser Diode Consumption Value by Country
(2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Single Mode Laser Diode Market Drivers

12.2 Single Mode Laser Diode Market Restraints

12.3 Single Mode Laser Diode Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Single Mode Laser Diode and Key Manufacturers

13.2 Manufacturing Costs Percentage of Single Mode Laser Diode

13.3 Single Mode Laser Diode Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Single Mode Laser Diode Typical Distributors

14.3 Single Mode Laser Diode Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Single Mode Laser Diode Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Single Mode Laser Diode Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Sheaumann Basic Information, Manufacturing Base and Competitors

Table 4. Sheaumann Major Business

Table 5. Sheaumann Single Mode Laser Diode Product and Services

Table 6. Sheaumann Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Sheaumann Recent Developments/Updates

Table 8. QPhotonics Basic Information, Manufacturing Base and Competitors

Table 9. QPhotonics Major Business

Table 10. QPhotonics Single Mode Laser Diode Product and Services

Table 11. QPhotonics Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. QPhotonics Recent Developments/Updates

Table 13. Innolume Basic Information, Manufacturing Base and Competitors

Table 14. Innolume Major Business

Table 15. Innolume Single Mode Laser Diode Product and Services

Table 16. Innolume Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Innolume Recent Developments/Updates

Table 18. Laser Components Basic Information, Manufacturing Base and Competitors

Table 19. Laser Components Major Business

Table 20. Laser Components Single Mode Laser Diode Product and Services

Table 21. Laser Components Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Laser Components Recent Developments/Updates

Table 23. Lasertack Basic Information, Manufacturing Base and Competitors

Table 24. Lasertack Major Business

Table 25. Lasertack Single Mode Laser Diode Product and Services

Table 26. Lasertack Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Lasertack Recent Developments/Updates

Table 28. ROHM Basic Information, Manufacturing Base and Competitors

Table 29. ROHM Major Business

Table 30. ROHM Single Mode Laser Diode Product and Services

Table 31. ROHM Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. ROHM Recent Developments/Updates

Table 33. Eagleyard Basic Information, Manufacturing Base and Competitors

Table 34. Eagleyard Major Business

Table 35. Eagleyard Single Mode Laser Diode Product and Services

Table 36. Eagleyard Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Eagleyard Recent Developments/Updates

Table 38. CNI laser Basic Information, Manufacturing Base and Competitors

Table 39. CNI laser Major Business

Table 40. CNI laser Single Mode Laser Diode Product and Services

Table 41. CNI laser Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. CNI laser Recent Developments/Updates

Table 43. Ushio Basic Information, Manufacturing Base and Competitors

Table 44. Ushio Major Business

Table 45. Ushio Single Mode Laser Diode Product and Services

Table 46. Ushio Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Ushio Recent Developments/Updates

Table 48. Coherent Basic Information, Manufacturing Base and Competitors

Table 49. Coherent Major Business

Table 50. Coherent Single Mode Laser Diode Product and Services

Table 51. Coherent Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Coherent Recent Developments/Updates

Table 53. TOPTICA Photonics Basic Information, Manufacturing Base and Competitors

Table 54. TOPTICA Photonics Major Business

Table 55. TOPTICA Photonics Single Mode Laser Diode Product and Services

Table 56. TOPTICA Photonics Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. TOPTICA Photonics Recent Developments/Updates

Table 58. OSI Laser Diode Basic Information, Manufacturing Base and Competitors

Table 59. OSI Laser Diode Major Business

Table 60. OSI Laser Diode Single Mode Laser Diode Product and Services
Table 61. OSI Laser Diode Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 62. OSI Laser Diode Recent Developments/Updates
Table 63. LasersCom Basic Information, Manufacturing Base and Competitors
Table 64. LasersCom Major Business
Table 65. LasersCom Single Mode Laser Diode Product and Services
Table 66. LasersCom Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 67. LasersCom Recent Developments/Updates
Table 68. SemiNex Corporation Basic Information, Manufacturing Base and Competitors
Table 69. SemiNex Corporation Major Business
Table 70. SemiNex Corporation Single Mode Laser Diode Product and Services
Table 71. SemiNex Corporation Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 72. SemiNex Corporation Recent Developments/Updates
Table 73. Nichia Corporation Basic Information, Manufacturing Base and Competitors
Table 74. Nichia Corporation Major Business
Table 75. Nichia Corporation Single Mode Laser Diode Product and Services
Table 76. Nichia Corporation Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 77. Nichia Corporation Recent Developments/Updates
Table 78. DenseLight Semiconductors Basic Information, Manufacturing Base and Competitors
Table 79. DenseLight Semiconductors Major Business
Table 80. DenseLight Semiconductors Single Mode Laser Diode Product and Services
Table 81. DenseLight Semiconductors Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 82. DenseLight Semiconductors Recent Developments/Updates
Table 83. Lumics Basic Information, Manufacturing Base and Competitors
Table 84. Lumics Major Business
Table 85. Lumics Single Mode Laser Diode Product and Services
Table 86. Lumics Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 87. Lumics Recent Developments/Updates

Table 88. Idealphotonics Basic Information, Manufacturing Base and Competitors

Table 89. Idealphotonics Major Business

Table 90. Idealphotonics Single Mode Laser Diode Product and Services

Table 91. Idealphotonics Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 92. Idealphotonics Recent Developments/Updates

Table 93. Wavespectrum Laser Basic Information, Manufacturing Base and Competitors

Table 94. Wavespectrum Laser Major Business

Table 95. Wavespectrum Laser Single Mode Laser Diode Product and Services

Table 96. Wavespectrum Laser Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 97. Wavespectrum Laser Recent Developments/Updates

Table 98. Nolatech Basic Information, Manufacturing Base and Competitors

Table 99. Nolatech Major Business

Table 100. Nolatech Single Mode Laser Diode Product and Services

Table 101. Nolatech Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 102. Nolatech Recent Developments/Updates

Table 103. Innovative Photonic Solutions Basic Information, Manufacturing Base and Competitors

Table 104. Innovative Photonic Solutions Major Business

Table 105. Innovative Photonic Solutions Single Mode Laser Diode Product and Services

Table 106. Innovative Photonic Solutions Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 107. Innovative Photonic Solutions Recent Developments/Updates

Table 108. Newport Corporation Basic Information, Manufacturing Base and Competitors

Table 109. Newport Corporation Major Business

Table 110. Newport Corporation Single Mode Laser Diode Product and Services

Table 111. Newport Corporation Single Mode Laser Diode Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 112. Newport Corporation Recent Developments/Updates

Table 113. Global Single Mode Laser Diode Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 114. Global Single Mode Laser Diode Revenue by Manufacturer (2020-2025) &

(USD Million)

Table 115. Global Single Mode Laser Diode Average Price by Manufacturer
(2020-2025) & (US\$/Unit)

Table 116. Market Position of Manufacturers in Single Mode Laser Diode, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 117. Head Office and Single Mode Laser Diode Production Site of Key Manufacturer

Table 118. Single Mode Laser Diode Market: Company Product Type Footprint

Table 119. Single Mode Laser Diode Market: Company Product Application Footprint

Table 120. Single Mode Laser Diode New Market Entrants and Barriers to Market Entry

Table 121. Single Mode Laser Diode Mergers, Acquisition, Agreements, and Collaborations

Table 122. Global Single Mode Laser Diode Consumption Value by Region
(2020-2024-2031) & (USD Million) & CAGR

Table 123. Global Single Mode Laser Diode Sales Quantity by Region (2020-2025) & (K Units)

Table 124. Global Single Mode Laser Diode Sales Quantity by Region (2026-2031) & (K Units)

Table 125. Global Single Mode Laser Diode Consumption Value by Region (2020-2025) & (USD Million)

Table 126. Global Single Mode Laser Diode Consumption Value by Region (2026-2031) & (USD Million)

Table 127. Global Single Mode Laser Diode Average Price by Region (2020-2025) & (US\$/Unit)

Table 128. Global Single Mode Laser Diode Average Price by Region (2026-2031) & (US\$/Unit)

Table 129. Global Single Mode Laser Diode Sales Quantity by Type (2020-2025) & (K Units)

Table 130. Global Single Mode Laser Diode Sales Quantity by Type (2026-2031) & (K Units)

Table 131. Global Single Mode Laser Diode Consumption Value by Type (2020-2025) & (USD Million)

Table 132. Global Single Mode Laser Diode Consumption Value by Type (2026-2031) & (USD Million)

Table 133. Global Single Mode Laser Diode Average Price by Type (2020-2025) & (US\$/Unit)

Table 134. Global Single Mode Laser Diode Average Price by Type (2026-2031) & (US\$/Unit)

Table 135. Global Single Mode Laser Diode Sales Quantity by Application (2020-2025)

& (K Units)

Table 136. Global Single Mode Laser Diode Sales Quantity by Application (2026-2031)

& (K Units)

Table 137. Global Single Mode Laser Diode Consumption Value by Application
(2020-2025) & (USD Million)

Table 138. Global Single Mode Laser Diode Consumption Value by Application
(2026-2031) & (USD Million)

Table 139. Global Single Mode Laser Diode Average Price by Application (2020-2025)
& (US\$/Unit)

Table 140. Global Single Mode Laser Diode Average Price by Application (2026-2031)
& (US\$/Unit)

Table 141. North America Single Mode Laser Diode Sales Quantity by Type
(2020-2025) & (K Units)

Table 142. North America Single Mode Laser Diode Sales Quantity by Type
(2026-2031) & (K Units)

Table 143. North America Single Mode Laser Diode Sales Quantity by Application
(2020-2025) & (K Units)

Table 144. North America Single Mode Laser Diode Sales Quantity by Application
(2026-2031) & (K Units)

Table 145. North America Single Mode Laser Diode Sales Quantity by Country
(2020-2025) & (K Units)

Table 146. North America Single Mode Laser Diode Sales Quantity by Country
(2026-2031) & (K Units)

Table 147. North America Single Mode Laser Diode Consumption Value by Country
(2020-2025) & (USD Million)

Table 148. North America Single Mode Laser Diode Consumption Value by Country
(2026-2031) & (USD Million)

Table 149. Europe Single Mode Laser Diode Sales Quantity by Type (2020-2025) & (K
Units)

Table 150. Europe Single Mode Laser Diode Sales Quantity by Type (2026-2031) & (K
Units)

Table 151. Europe Single Mode Laser Diode Sales Quantity by Application (2020-2025)
& (K Units)

Table 152. Europe Single Mode Laser Diode Sales Quantity by Application (2026-2031)
& (K Units)

Table 153. Europe Single Mode Laser Diode Sales Quantity by Country (2020-2025) &
(K Units)

Table 154. Europe Single Mode Laser Diode Sales Quantity by Country (2026-2031) &
(K Units)

Table 155. Europe Single Mode Laser Diode Consumption Value by Country
(2020-2025) & (USD Million)

Table 156. Europe Single Mode Laser Diode Consumption Value by Country
(2026-2031) & (USD Million)

Table 157. Asia-Pacific Single Mode Laser Diode Sales Quantity by Type (2020-2025)
& (K Units)

Table 158. Asia-Pacific Single Mode Laser Diode Sales Quantity by Type (2026-2031)
& (K Units)

Table 159. Asia-Pacific Single Mode Laser Diode Sales Quantity by Application
(2020-2025) & (K Units)

Table 160. Asia-Pacific Single Mode Laser Diode Sales Quantity by Application
(2026-2031) & (K Units)

Table 161. Asia-Pacific Single Mode Laser Diode Sales Quantity by Region
(2020-2025) & (K Units)

Table 162. Asia-Pacific Single Mode Laser Diode Sales Quantity by Region
(2026-2031) & (K Units)

Table 163. Asia-Pacific Single Mode Laser Diode Consumption Value by Region
(2020-2025) & (USD Million)

Table 164. Asia-Pacific Single Mode Laser Diode Consumption Value by Region
(2026-2031) & (USD Million)

Table 165. South America Single Mode Laser Diode Sales Quantity by Type
(2020-2025) & (K Units)

Table 166. South America Single Mode Laser Diode Sales Quantity by Type
(2026-2031) & (K Units)

Table 167. South America Single Mode Laser Diode Sales Quantity by Application
(2020-2025) & (K Units)

Table 168. South America Single Mode Laser Diode Sales Quantity by Application
(2026-2031) & (K Units)

Table 169. South America Single Mode Laser Diode Sales Quantity by Country
(2020-2025) & (K Units)

Table 170. South America Single Mode Laser Diode Sales Quantity by Country
(2026-2031) & (K Units)

Table 171. South America Single Mode Laser Diode Consumption Value by Country
(2020-2025) & (USD Million)

Table 172. South America Single Mode Laser Diode Consumption Value by Country
(2026-2031) & (USD Million)

Table 173. Middle East & Africa Single Mode Laser Diode Sales Quantity by Type
(2020-2025) & (K Units)

Table 174. Middle East & Africa Single Mode Laser Diode Sales Quantity by Type

(2026-2031) & (K Units)

Table 175. Middle East & Africa Single Mode Laser Diode Sales Quantity by Application (2020-2025) & (K Units)

Table 176. Middle East & Africa Single Mode Laser Diode Sales Quantity by Application (2026-2031) & (K Units)

Table 177. Middle East & Africa Single Mode Laser Diode Sales Quantity by Country (2020-2025) & (K Units)

Table 178. Middle East & Africa Single Mode Laser Diode Sales Quantity by Country (2026-2031) & (K Units)

Table 179. Middle East & Africa Single Mode Laser Diode Consumption Value by Country (2020-2025) & (USD Million)

Table 180. Middle East & Africa Single Mode Laser Diode Consumption Value by Country (2026-2031) & (USD Million)

Table 181. Single Mode Laser Diode Raw Material

Table 182. Key Manufacturers of Single Mode Laser Diode Raw Materials

Table 183. Single Mode Laser Diode Typical Distributors

Table 184. Single Mode Laser Diode Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Single Mode Laser Diode Picture
- Figure 2. Global Single Mode Laser Diode Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Single Mode Laser Diode Revenue Market Share by Type in 2024
- Figure 4. Fiber-Coupled Laser Diode Examples
- Figure 5. Free Space Laser Diode Examples
- Figure 6. Others Examples
- Figure 7. Global Single Mode Laser Diode Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 8. Global Single Mode Laser Diode Revenue Market Share by Application in 2024
- Figure 9. Metrology Examples
- Figure 10. Spectroscopy Examples
- Figure 11. Bioanalytics Examples
- Figure 12. Life Sciences Examples
- Figure 13. Others Examples
- Figure 14. Global Single Mode Laser Diode Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 15. Global Single Mode Laser Diode Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 16. Global Single Mode Laser Diode Sales Quantity (2020-2031) & (K Units)
- Figure 17. Global Single Mode Laser Diode Price (2020-2031) & (US\$/Unit)
- Figure 18. Global Single Mode Laser Diode Sales Quantity Market Share by Manufacturer in 2024
- Figure 19. Global Single Mode Laser Diode Revenue Market Share by Manufacturer in 2024
- Figure 20. Producer Shipments of Single Mode Laser Diode by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 21. Top 3 Single Mode Laser Diode Manufacturer (Revenue) Market Share in 2024
- Figure 22. Top 6 Single Mode Laser Diode Manufacturer (Revenue) Market Share in 2024
- Figure 23. Global Single Mode Laser Diode Sales Quantity Market Share by Region (2020-2031)
- Figure 24. Global Single Mode Laser Diode Consumption Value Market Share by

Region (2020-2031)

Figure 25. North America Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 26. Europe Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 27. Asia-Pacific Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 28. South America Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 29. Middle East & Africa Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 30. Global Single Mode Laser Diode Sales Quantity Market Share by Type (2020-2031)

Figure 31. Global Single Mode Laser Diode Consumption Value Market Share by Type (2020-2031)

Figure 32. Global Single Mode Laser Diode Average Price by Type (2020-2031) & (US\$/Unit)

Figure 33. Global Single Mode Laser Diode Sales Quantity Market Share by Application (2020-2031)

Figure 34. Global Single Mode Laser Diode Revenue Market Share by Application (2020-2031)

Figure 35. Global Single Mode Laser Diode Average Price by Application (2020-2031) & (US\$/Unit)

Figure 36. North America Single Mode Laser Diode Sales Quantity Market Share by Type (2020-2031)

Figure 37. North America Single Mode Laser Diode Sales Quantity Market Share by Application (2020-2031)

Figure 38. North America Single Mode Laser Diode Sales Quantity Market Share by Country (2020-2031)

Figure 39. North America Single Mode Laser Diode Consumption Value Market Share by Country (2020-2031)

Figure 40. United States Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 41. Canada Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 42. Mexico Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 43. Europe Single Mode Laser Diode Sales Quantity Market Share by Type (2020-2031)

Figure 44. Europe Single Mode Laser Diode Sales Quantity Market Share by Application (2020-2031)

Figure 45. Europe Single Mode Laser Diode Sales Quantity Market Share by Country (2020-2031)

Figure 46. Europe Single Mode Laser Diode Consumption Value Market Share by Country (2020-2031)

Figure 47. Germany Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 48. France Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 49. United Kingdom Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 50. Russia Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 51. Italy Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 52. Asia-Pacific Single Mode Laser Diode Sales Quantity Market Share by Type (2020-2031)

Figure 53. Asia-Pacific Single Mode Laser Diode Sales Quantity Market Share by Application (2020-2031)

Figure 54. Asia-Pacific Single Mode Laser Diode Sales Quantity Market Share by Region (2020-2031)

Figure 55. Asia-Pacific Single Mode Laser Diode Consumption Value Market Share by Region (2020-2031)

Figure 56. China Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 57. Japan Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 58. South Korea Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 59. India Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 60. Southeast Asia Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 61. Australia Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 62. South America Single Mode Laser Diode Sales Quantity Market Share by Type (2020-2031)

Figure 63. South America Single Mode Laser Diode Sales Quantity Market Share by

Application (2020-2031)

Figure 64. South America Single Mode Laser Diode Sales Quantity Market Share by Country (2020-2031)

Figure 65. South America Single Mode Laser Diode Consumption Value Market Share by Country (2020-2031)

Figure 66. Brazil Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 67. Argentina Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 68. Middle East & Africa Single Mode Laser Diode Sales Quantity Market Share by Type (2020-2031)

Figure 69. Middle East & Africa Single Mode Laser Diode Sales Quantity Market Share by Application (2020-2031)

Figure 70. Middle East & Africa Single Mode Laser Diode Sales Quantity Market Share by Country (2020-2031)

Figure 71. Middle East & Africa Single Mode Laser Diode Consumption Value Market Share by Country (2020-2031)

Figure 72. Turkey Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 73. Egypt Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 74. Saudi Arabia Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 75. South Africa Single Mode Laser Diode Consumption Value (2020-2031) & (USD Million)

Figure 76. Single Mode Laser Diode Market Drivers

Figure 77. Single Mode Laser Diode Market Restraints

Figure 78. Single Mode Laser Diode Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Single Mode Laser Diode in 2024

Figure 81. Manufacturing Process Analysis of Single Mode Laser Diode

Figure 82. Single Mode Laser Diode Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

I would like to order

Product name: Global Single Mode Laser Diode Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/GC68A6A69450EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC68A6A69450EN.html>