

# Global Fiber Laser LiDAR Light Source Module Market Growth 2025-2031

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## Abstracts

The global Fiber Laser LiDAR Light Source Module market size is predicted to grow from US\$ 300 million in 2025 to US\$ 1718 million in 2031; it is expected to grow at a CAGR of 33.8% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Fiber Laser LiDAR Light Source Module refers to a laser source module based on 1550nm fiber laser or fiber amplifier technology, specifically designed for LiDAR systems such as FMCW or ToF types. It features high output power, narrow linewidth, low noise, and excellent stability, and is widely used in autonomous driving, industrial ranging, and fiber optic sensing applications.

United States market for Fiber Laser LiDAR Light Source Module is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Fiber Laser LiDAR Light Source Module is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Fiber Laser LiDAR Light Source Module is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Fiber Laser LiDAR Light Source Module players cover Coherent, Nlight

Corporation, IPG Photonics, Lumibird, Furukawa Electric, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Fiber Laser LiDAR Light Source Module Industry Forecast” looks at past sales and reviews total world Fiber Laser LiDAR Light Source Module sales in 2024, providing a comprehensive analysis by region and market sector of projected Fiber Laser LiDAR Light Source Module sales for 2025 through 2031. With Fiber Laser LiDAR Light Source Module sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Fiber Laser LiDAR Light Source Module industry.

This Insight Report provides a comprehensive analysis of the global Fiber Laser LiDAR Light Source Module landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Fiber Laser LiDAR Light Source Module portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Fiber Laser LiDAR Light Source Module market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Fiber Laser LiDAR Light Source Module and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Fiber Laser LiDAR Light Source Module.

This report presents a comprehensive overview, market shares, and growth opportunities of Fiber Laser LiDAR Light Source Module market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Continuous Wave Light Source

Pulse Light Source

Other

Segmentation by Application:

Automotive LiDAR

Industrial

Defense and Aerospace

Fiber Optic Sensing

Other

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 analysing the company's coverage, product portfolio, its market penetration.

Coherent

Nlight Corporation

IPG Photonics

Lumibird

Furukawa Electric

Focuslight Technologies

Hitronics Technologies

Lemon Photonics

Benewake

BKtel Photonics

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Fiber Laser LiDAR Light Source Module market?

What factors are driving Fiber Laser LiDAR Light Source Module market growth, globally and by region?

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

How do Fiber Laser LiDAR Light Source Module market opportunities vary by end market size?

How does Fiber Laser LiDAR Light Source Module break out by Type, by Application?

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