

# Global LED Pattern Illumination Modules Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G150DA3547B9EN.html>

Date: June 2026

Pages: 119

Price: US\$ 4,480.00 (Single User License)

ID: G150DA3547B9EN

## Abstracts

The global LED Pattern Illumination Modules market size is expected to reach \$ 5570 million by 2032, rising at a market growth of 10.8% CAGR during the forecast period (2026-2032).

In 2025, global LED Pattern Illumination Modules production reached approximately 3.3 million units, with an average global market price of around US\$ 800 per unit. Annual production capacity is 4 million units. Gross Profit Margin: 35%. LED Pattern Illumination Modules are optical projection units that use LED light sources to generate structured or coded illumination patterns—such as stripes, grids, dots, or custom geometries—for machine vision, 3D sensing, inspection, and imaging applications. The LED Pattern Illumination Modules industry chain consists of upstream suppliers providing LED chips, optical lenses, diffusers, driver ICs, control electronics, and PCB materials; midstream manufacturers integrating these components into structured-light or programmable illumination modules with optical design and pattern-control software; and downstream applications in machine vision, industrial inspection, robotics, semiconductor manufacturing, medical imaging, and consumer electronics such as facial recognition and AR/VR sensing systems.

This report studies the global LED Pattern Illumination Modules production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for LED Pattern Illumination Modules and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of LED Pattern Illumination Modules that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global LED Pattern Illumination Modules total production and demand, 2021-2032, (K Units)

Global LED Pattern Illumination Modules total production value, 2021-2032, (USD Million)

Global LED Pattern Illumination Modules production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global LED Pattern Illumination Modules consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: LED Pattern Illumination Modules domestic production, consumption, key domestic manufacturers and share

Global LED Pattern Illumination Modules production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global LED Pattern Illumination Modules production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global LED Pattern Illumination Modules production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global LED Pattern Illumination Modules market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CCS Inc., Smart Vision Lights, Advanced Illumination, Keyence Corporation, Cognex Corporation (Vision Lighting Division), Opto Engineering S.p.A., Banner Engineering, Effilux, Moritex Corporation (Kowa Group), SCHOTT (Industrial Lighting Division), etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World LED Pattern Illumination Modules market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the

forecast year.

#### Global LED Pattern Illumination Modules Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global LED Pattern Illumination Modules Market, Segmentation by Type:

Line Scan LED Illumination Modules

Bar Light / Linear Illumination Modules

Ring Light Illumination Modules

Dome / Diffuse Lighting Modules

Backlight Illumination Modules

Structured Pattern Projection Modules

Programmable LED Pattern Projectors

#### Global LED Pattern Illumination Modules Market, Segmentation by Light Source:

LED-Based Modules

Laser-Enhanced LED Hybrid Modules

Infrared LED Modules

Ultraviolet LED Modules

#### Global LED Pattern Illumination Modules Market, Segmentation by Wavelength:

Visible Light (White LED)

Infrared (IR 850–940 nm)

Ultraviolet (UV 365–405 nm)

Multi-Spectrum (RGB / tunable)

#### Global LED Pattern Illumination Modules Market, Segmentation by Application:

Manufacturing Industry

Electronics & Semiconductor Companies

Automotive

Healthcare & Medical Device Firms

#### Companies Profiled:

CCS Inc.

Smart Vision Lights

Advanced Illumination

Keyence Corporation

Cognex Corporation (Vision Lighting Division)

Opto Engineering S.p.A.

Banner Engineering

Effilux

Moritex Corporation (Kowa Group)

SCHOTT (Industrial Lighting Division)

Metaphase Technologies

Gardasoft Vision

Beijing Daheng Image Vision Co., Ltd.

OPT Machine Vision Tech Co., Ltd.

Shenzhen HIFLY Technology Co., Ltd.

#### Key Questions Answered:

1. How big is the global LED Pattern Illumination Modules market?
2. What is the demand of the global LED Pattern Illumination Modules market?
3. What is the year over year growth of the global LED Pattern Illumination Modules market?
4. What is the production and production value of the global LED Pattern Illumination Modules market?
5. Who are the key producers in the global LED Pattern Illumination Modules market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 LED Pattern Illumination Modules Introduction
- 1.2 World LED Pattern Illumination Modules Supply & Forecast
  - 1.2.1 World LED Pattern Illumination Modules Production Value (2021 & 2025 & 2032)
  - 1.2.2 World LED Pattern Illumination Modules Production (2021-2032)
  - 1.2.3 World LED Pattern Illumination Modules Pricing Trends (2021-2032)
- 1.3 World LED Pattern Illumination Modules Production by Region (Based on Production Site)
  - 1.3.1 World LED Pattern Illumination Modules Production Value by Region (2021-2032)
  - 1.3.2 World LED Pattern Illumination Modules Production by Region (2021-2032)
  - 1.3.3 World LED Pattern Illumination Modules Average Price by Region (2021-2032)
  - 1.3.4 North America LED Pattern Illumination Modules Production (2021-2032)
  - 1.3.5 Europe LED Pattern Illumination Modules Production (2021-2032)
  - 1.3.6 China LED Pattern Illumination Modules Production (2021-2032)
  - 1.3.7 Japan LED Pattern Illumination Modules Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 LED Pattern Illumination Modules Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 LED Pattern Illumination Modules Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World LED Pattern Illumination Modules Demand (2021-2032)
- 2.2 World LED Pattern Illumination Modules Consumption by Region
  - 2.2.1 World LED Pattern Illumination Modules Consumption by Region (2021-2026)
  - 2.2.2 World LED Pattern Illumination Modules Consumption Forecast by Region (2027-2032)
- 2.3 United States LED Pattern Illumination Modules Consumption (2021-2032)
- 2.4 China LED Pattern Illumination Modules Consumption (2021-2032)
- 2.5 Europe LED Pattern Illumination Modules Consumption (2021-2032)
- 2.6 Japan LED Pattern Illumination Modules Consumption (2021-2032)
- 2.7 South Korea LED Pattern Illumination Modules Consumption (2021-2032)
- 2.8 ASEAN LED Pattern Illumination Modules Consumption (2021-2032)
- 2.9 India LED Pattern Illumination Modules Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World LED Pattern Illumination Modules Production Value by Manufacturer (2021-2026)
- 3.2 World LED Pattern Illumination Modules Production by Manufacturer (2021-2026)
- 3.3 World LED Pattern Illumination Modules Average Price by Manufacturer (2021-2026)
- 3.4 LED Pattern Illumination Modules Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global LED Pattern Illumination Modules Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for LED Pattern Illumination Modules in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for LED Pattern Illumination Modules in 2025
- 3.6 LED Pattern Illumination Modules Market: Overall Company Footprint Analysis
  - 3.6.1 LED Pattern Illumination Modules Market: Region Footprint
  - 3.6.2 LED Pattern Illumination Modules Market: Company Product Type Footprint
  - 3.6.3 LED Pattern Illumination Modules Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: LED Pattern Illumination Modules Production Value Comparison
  - 4.1.1 United States VS China: LED Pattern Illumination Modules Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: LED Pattern Illumination Modules Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: LED Pattern Illumination Modules Production Comparison
  - 4.2.1 United States VS China: LED Pattern Illumination Modules Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: LED Pattern Illumination Modules Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: LED Pattern Illumination Modules Consumption Comparison

4.3.1 United States VS China: LED Pattern Illumination Modules Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: LED Pattern Illumination Modules Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based LED Pattern Illumination Modules Manufacturers and Market Share, 2021-2026

4.4.1 United States Based LED Pattern Illumination Modules Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers LED Pattern Illumination Modules Production Value (2021-2026)

4.4.3 United States Based Manufacturers LED Pattern Illumination Modules Production (2021-2026)

4.5 China Based LED Pattern Illumination Modules Manufacturers and Market Share

4.5.1 China Based LED Pattern Illumination Modules Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers LED Pattern Illumination Modules Production Value (2021-2026)

4.5.3 China Based Manufacturers LED Pattern Illumination Modules Production (2021-2026)

4.6 Rest of World Based LED Pattern Illumination Modules Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based LED Pattern Illumination Modules Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers LED Pattern Illumination Modules Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers LED Pattern Illumination Modules Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World LED Pattern Illumination Modules Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Line Scan LED Illumination Modules

5.2.2 Bar Light / Linear Illumination Modules

5.2.3 Ring Light Illumination Modules

5.2.4 Dome / Diffuse Lighting Modules

5.2.5 Backlight Illumination Modules

5.2.6 Structured Pattern Projection Modules

- 5.2.7 Programmable LED Pattern Projectors
- 5.3 Market Segment by Type
  - 5.3.1 World LED Pattern Illumination Modules Production by Type (2021-2032)
  - 5.3.2 World LED Pattern Illumination Modules Production Value by Type (2021-2032)
  - 5.3.3 World LED Pattern Illumination Modules Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY LIGHT SOURCE**

- 6.1 World LED Pattern Illumination Modules Market Size Overview by Light Source: 2021 VS 2025 VS 2032
- 6.2 Segment Introduction by Light Source
  - 6.2.1 LED-Based Modules
  - 6.2.2 Laser-Enhanced LED Hybrid Modules
  - 6.2.3 Infrared LED Modules
  - 6.2.4 Ultraviolet LED Modules
- 6.3 Market Segment by Light Source
  - 6.3.1 World LED Pattern Illumination Modules Production by Light Source (2021-2032)
  - 6.3.2 World LED Pattern Illumination Modules Production Value by Light Source (2021-2032)
  - 6.3.3 World LED Pattern Illumination Modules Average Price by Light Source (2021-2032)

## **7 MARKET ANALYSIS BY WAVELENGTH**

- 7.1 World LED Pattern Illumination Modules Market Size Overview by Wavelength: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Wavelength
  - 7.2.1 Visible Light (White LED)
  - 7.2.2 Infrared (IR 850–940 nm)
  - 7.2.3 Ultraviolet (UV 365–405 nm)
  - 7.2.4 Multi-Spectrum (RGB / tunable)
- 7.3 Market Segment by Wavelength
  - 7.3.1 World LED Pattern Illumination Modules Production by Wavelength (2021-2032)
  - 7.3.2 World LED Pattern Illumination Modules Production Value by Wavelength (2021-2032)
  - 7.3.3 World LED Pattern Illumination Modules Average Price by Wavelength (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

## 8.1 World LED Pattern Illumination Modules Market Size Overview by Application: 2021 VS 2025 VS 2032

### 8.2 Segment Introduction by Application

#### 8.2.1 Manufacturing Industry

#### 8.2.2 Electronics & Semiconductor Companies

#### 8.2.3 Automotive

#### 8.2.4 Healthcare & Medical Device Firms

### 8.3 Market Segment by Application

#### 8.3.1 World LED Pattern Illumination Modules Production by Application (2021-2032)

#### 8.3.2 World LED Pattern Illumination Modules Production Value by Application (2021-2032)

#### 8.3.3 World LED Pattern Illumination Modules Average Price by Application (2021-2032)

## 9 COMPANY PROFILES

### 9.1 CCS Inc.

#### 9.1.1 CCS Inc. Details

#### 9.1.2 CCS Inc. Major Business

#### 9.1.3 CCS Inc. LED Pattern Illumination Modules Product and Services

#### 9.1.4 CCS Inc. LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 9.1.5 CCS Inc. Recent Developments/Updates

#### 9.1.6 CCS Inc. Competitive Strengths & Weaknesses

### 9.2 Smart Vision Lights

#### 9.2.1 Smart Vision Lights Details

#### 9.2.2 Smart Vision Lights Major Business

#### 9.2.3 Smart Vision Lights LED Pattern Illumination Modules Product and Services

#### 9.2.4 Smart Vision Lights LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 9.2.5 Smart Vision Lights Recent Developments/Updates

#### 9.2.6 Smart Vision Lights Competitive Strengths & Weaknesses

### 9.3 Advanced Illumination

#### 9.3.1 Advanced Illumination Details

#### 9.3.2 Advanced Illumination Major Business

#### 9.3.3 Advanced Illumination LED Pattern Illumination Modules Product and Services

#### 9.3.4 Advanced Illumination LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.3.5 Advanced Illumination Recent Developments/Updates
- 9.3.6 Advanced Illumination Competitive Strengths & Weaknesses
- 9.4 Keyence Corporation
  - 9.4.1 Keyence Corporation Details
  - 9.4.2 Keyence Corporation Major Business
  - 9.4.3 Keyence Corporation LED Pattern Illumination Modules Product and Services
  - 9.4.4 Keyence Corporation LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.4.5 Keyence Corporation Recent Developments/Updates
  - 9.4.6 Keyence Corporation Competitive Strengths & Weaknesses
- 9.5 Cognex Corporation (Vision Lighting Division)
  - 9.5.1 Cognex Corporation (Vision Lighting Division) Details
  - 9.5.2 Cognex Corporation (Vision Lighting Division) Major Business
  - 9.5.3 Cognex Corporation (Vision Lighting Division) LED Pattern Illumination Modules Product and Services
  - 9.5.4 Cognex Corporation (Vision Lighting Division) LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 Cognex Corporation (Vision Lighting Division) Recent Developments/Updates
  - 9.5.6 Cognex Corporation (Vision Lighting Division) Competitive Strengths & Weaknesses
- 9.6 Opto Engineering S.p.A.
  - 9.6.1 Opto Engineering S.p.A. Details
  - 9.6.2 Opto Engineering S.p.A. Major Business
  - 9.6.3 Opto Engineering S.p.A. LED Pattern Illumination Modules Product and Services
  - 9.6.4 Opto Engineering S.p.A. LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.6.5 Opto Engineering S.p.A. Recent Developments/Updates
  - 9.6.6 Opto Engineering S.p.A. Competitive Strengths & Weaknesses
- 9.7 Banner Engineering
  - 9.7.1 Banner Engineering Details
  - 9.7.2 Banner Engineering Major Business
  - 9.7.3 Banner Engineering LED Pattern Illumination Modules Product and Services
  - 9.7.4 Banner Engineering LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 Banner Engineering Recent Developments/Updates
  - 9.7.6 Banner Engineering Competitive Strengths & Weaknesses
- 9.8 Effilux
  - 9.8.1 Effilux Details
  - 9.8.2 Effilux Major Business

- 9.8.3 Effilux LED Pattern Illumination Modules Product and Services
- 9.8.4 Effilux LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.8.5 Effilux Recent Developments/Updates
- 9.8.6 Effilux Competitive Strengths & Weaknesses
- 9.9 Moritex Corporation (Kowa Group)
  - 9.9.1 Moritex Corporation (Kowa Group) Details
  - 9.9.2 Moritex Corporation (Kowa Group) Major Business
  - 9.9.3 Moritex Corporation (Kowa Group) LED Pattern Illumination Modules Product and Services
  - 9.9.4 Moritex Corporation (Kowa Group) LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.9.5 Moritex Corporation (Kowa Group) Recent Developments/Updates
  - 9.9.6 Moritex Corporation (Kowa Group) Competitive Strengths & Weaknesses
- 9.10 SCHOTT (Industrial Lighting Division)
  - 9.10.1 SCHOTT (Industrial Lighting Division) Details
  - 9.10.2 SCHOTT (Industrial Lighting Division) Major Business
  - 9.10.3 SCHOTT (Industrial Lighting Division) LED Pattern Illumination Modules Product and Services
  - 9.10.4 SCHOTT (Industrial Lighting Division) LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 SCHOTT (Industrial Lighting Division) Recent Developments/Updates
  - 9.10.6 SCHOTT (Industrial Lighting Division) Competitive Strengths & Weaknesses
- 9.11 Metaphase Technologies
  - 9.11.1 Metaphase Technologies Details
  - 9.11.2 Metaphase Technologies Major Business
  - 9.11.3 Metaphase Technologies LED Pattern Illumination Modules Product and Services
  - 9.11.4 Metaphase Technologies LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.11.5 Metaphase Technologies Recent Developments/Updates
  - 9.11.6 Metaphase Technologies Competitive Strengths & Weaknesses
- 9.12 Gardasoft Vision
  - 9.12.1 Gardasoft Vision Details
  - 9.12.2 Gardasoft Vision Major Business
  - 9.12.3 Gardasoft Vision LED Pattern Illumination Modules Product and Services
  - 9.12.4 Gardasoft Vision LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 Gardasoft Vision Recent Developments/Updates

- 9.12.6 Gardasoft Vision Competitive Strengths & Weaknesses
- 9.13 Beijing Daheng Image Vision Co., Ltd.
  - 9.13.1 Beijing Daheng Image Vision Co., Ltd. Details
  - 9.13.2 Beijing Daheng Image Vision Co., Ltd. Major Business
  - 9.13.3 Beijing Daheng Image Vision Co., Ltd. LED Pattern Illumination Modules Product and Services
  - 9.13.4 Beijing Daheng Image Vision Co., Ltd. LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.13.5 Beijing Daheng Image Vision Co., Ltd. Recent Developments/Updates
  - 9.13.6 Beijing Daheng Image Vision Co., Ltd. Competitive Strengths & Weaknesses
- 9.14 OPT Machine Vision Tech Co., Ltd.
  - 9.14.1 OPT Machine Vision Tech Co., Ltd. Details
  - 9.14.2 OPT Machine Vision Tech Co., Ltd. Major Business
  - 9.14.3 OPT Machine Vision Tech Co., Ltd. LED Pattern Illumination Modules Product and Services
  - 9.14.4 OPT Machine Vision Tech Co., Ltd. LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.14.5 OPT Machine Vision Tech Co., Ltd. Recent Developments/Updates
  - 9.14.6 OPT Machine Vision Tech Co., Ltd. Competitive Strengths & Weaknesses
- 9.15 Shenzhen HIFLY Technology Co., Ltd.
  - 9.15.1 Shenzhen HIFLY Technology Co., Ltd. Details
  - 9.15.2 Shenzhen HIFLY Technology Co., Ltd. Major Business
  - 9.15.3 Shenzhen HIFLY Technology Co., Ltd. LED Pattern Illumination Modules Product and Services
  - 9.15.4 Shenzhen HIFLY Technology Co., Ltd. LED Pattern Illumination Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.15.5 Shenzhen HIFLY Technology Co., Ltd. Recent Developments/Updates
  - 9.15.6 Shenzhen HIFLY Technology Co., Ltd. Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 LED Pattern Illumination Modules Industry Chain
- 10.2 LED Pattern Illumination Modules Upstream Analysis
  - 10.2.1 LED Pattern Illumination Modules Core Raw Materials
  - 10.2.2 Main Manufacturers of LED Pattern Illumination Modules Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 LED Pattern Illumination Modules Production Mode
- 10.6 LED Pattern Illumination Modules Procurement Model

## 10.7 LED Pattern Illumination Modules Industry Sales Model and Sales Channels

### 10.7.1 LED Pattern Illumination Modules Sales Model

### 10.7.2 LED Pattern Illumination Modules Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

### 12.1 Methodology

### 12.2 Research Process and Data Source

### 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World LED Pattern Illumination Modules Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World LED Pattern Illumination Modules Production Value by Region (2021-2026) & (USD Million)

Table 3. World LED Pattern Illumination Modules Production Value by Region (2027-2032) & (USD Million)

Table 4. World LED Pattern Illumination Modules Production Value Market Share by Region (2021-2026)

Table 5. World LED Pattern Illumination Modules Production Value Market Share by Region (2027-2032)

Table 6. World LED Pattern Illumination Modules Production by Region (2021-2026) & (K Units)

Table 7. World LED Pattern Illumination Modules Production by Region (2027-2032) & (K Units)

Table 8. World LED Pattern Illumination Modules Production Market Share by Region (2021-2026)

Table 9. World LED Pattern Illumination Modules Production Market Share by Region (2027-2032)

Table 10. World LED Pattern Illumination Modules Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World LED Pattern Illumination Modules Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. LED Pattern Illumination Modules Major Market Trends

Table 13. World LED Pattern Illumination Modules Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World LED Pattern Illumination Modules Consumption by Region (2021-2026) & (K Units)

Table 15. World LED Pattern Illumination Modules Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World LED Pattern Illumination Modules Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key LED Pattern Illumination Modules Producers in 2025

Table 18. World LED Pattern Illumination Modules Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key LED Pattern Illumination Modules Producers in 2025

Table 20. World LED Pattern Illumination Modules Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global LED Pattern Illumination Modules Company Evaluation Quadrant

Table 22. World LED Pattern Illumination Modules Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and LED Pattern Illumination Modules Production Site of Key Manufacturer

Table 24. LED Pattern Illumination Modules Market: Company Product Type Footprint

Table 25. LED Pattern Illumination Modules Market: Company Product Application Footprint

Table 26. LED Pattern Illumination Modules Competitive Factors

Table 27. LED Pattern Illumination Modules New Entrant and Capacity Expansion Plans

Table 28. LED Pattern Illumination Modules Mergers & Acquisitions Activity

Table 29. United States VS China LED Pattern Illumination Modules Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China LED Pattern Illumination Modules Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China LED Pattern Illumination Modules Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based LED Pattern Illumination Modules Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers LED Pattern Illumination Modules Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers LED Pattern Illumination Modules Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers LED Pattern Illumination Modules Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers LED Pattern Illumination Modules Production Market Share (2021-2026)

Table 37. China Based LED Pattern Illumination Modules Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers LED Pattern Illumination Modules Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers LED Pattern Illumination Modules Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers LED Pattern Illumination Modules Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers LED Pattern Illumination Modules Production Market Share (2021-2026)

Table 42. Rest of World Based LED Pattern Illumination Modules Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers LED Pattern Illumination Modules Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers LED Pattern Illumination Modules Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers LED Pattern Illumination Modules Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers LED Pattern Illumination Modules Production Market Share (2021-2026)

Table 47. World LED Pattern Illumination Modules Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World LED Pattern Illumination Modules Production by Type (2021-2026) & (K Units)

Table 49. World LED Pattern Illumination Modules Production by Type (2027-2032) & (K Units)

Table 50. World LED Pattern Illumination Modules Production Value by Type (2021-2026) & (USD Million)

Table 51. World LED Pattern Illumination Modules Production Value by Type (2027-2032) & (USD Million)

Table 52. World LED Pattern Illumination Modules Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World LED Pattern Illumination Modules Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World LED Pattern Illumination Modules Production Value by Light Source, (USD Million), 2021 & 2025 & 2032

Table 55. World LED Pattern Illumination Modules Production by Light Source (2021-2026) & (K Units)

Table 56. World LED Pattern Illumination Modules Production by Light Source (2027-2032) & (K Units)

Table 57. World LED Pattern Illumination Modules Production Value by Light Source (2021-2026) & (USD Million)

Table 58. World LED Pattern Illumination Modules Production Value by Light Source (2027-2032) & (USD Million)

Table 59. World LED Pattern Illumination Modules Average Price by Light Source (2021-2026) & (US\$/Unit)

Table 60. World LED Pattern Illumination Modules Average Price by Light Source

(2027-2032) & (US\$/Unit)

Table 61. World LED Pattern Illumination Modules Production Value by Wavelength, (USD Million), 2021 & 2025 & 2032

Table 62. World LED Pattern Illumination Modules Production by Wavelength (2021-2026) & (K Units)

Table 63. World LED Pattern Illumination Modules Production by Wavelength (2027-2032) & (K Units)

Table 64. World LED Pattern Illumination Modules Production Value by Wavelength (2021-2026) & (USD Million)

Table 65. World LED Pattern Illumination Modules Production Value by Wavelength (2027-2032) & (USD Million)

Table 66. World LED Pattern Illumination Modules Average Price by Wavelength (2021-2026) & (US\$/Unit)

Table 67. World LED Pattern Illumination Modules Average Price by Wavelength (2027-2032) & (US\$/Unit)

Table 68. World LED Pattern Illumination Modules Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World LED Pattern Illumination Modules Production by Application (2021-2026) & (K Units)

Table 70. World LED Pattern Illumination Modules Production by Application (2027-2032) & (K Units)

Table 71. World LED Pattern Illumination Modules Production Value by Application (2021-2026) & (USD Million)

Table 72. World LED Pattern Illumination Modules Production Value by Application (2027-2032) & (USD Million)

Table 73. World LED Pattern Illumination Modules Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World LED Pattern Illumination Modules Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. CCS Inc. Basic Information, Manufacturing Base and Competitors

Table 76. CCS Inc. Major Business

Table 77. CCS Inc. LED Pattern Illumination Modules Product and Services

Table 78. CCS Inc. LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. CCS Inc. Recent Developments/Updates

Table 80. CCS Inc. Competitive Strengths & Weaknesses

Table 81. Smart Vision Lights Basic Information, Manufacturing Base and Competitors

Table 82. Smart Vision Lights Major Business

Table 83. Smart Vision Lights LED Pattern Illumination Modules Product and Services

Table 84. Smart Vision Lights LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Smart Vision Lights Recent Developments/Updates

Table 86. Smart Vision Lights Competitive Strengths & Weaknesses

Table 87. Advanced Illumination Basic Information, Manufacturing Base and Competitors

Table 88. Advanced Illumination Major Business

Table 89. Advanced Illumination LED Pattern Illumination Modules Product and Services

Table 90. Advanced Illumination LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Advanced Illumination Recent Developments/Updates

Table 92. Advanced Illumination Competitive Strengths & Weaknesses

Table 93. Keyence Corporation Basic Information, Manufacturing Base and Competitors

Table 94. Keyence Corporation Major Business

Table 95. Keyence Corporation LED Pattern Illumination Modules Product and Services

Table 96. Keyence Corporation LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Keyence Corporation Recent Developments/Updates

Table 98. Keyence Corporation Competitive Strengths & Weaknesses

Table 99. Cognex Corporation (Vision Lighting Division) Basic Information, Manufacturing Base and Competitors

Table 100. Cognex Corporation (Vision Lighting Division) Major Business

Table 101. Cognex Corporation (Vision Lighting Division) LED Pattern Illumination Modules Product and Services

Table 102. Cognex Corporation (Vision Lighting Division) LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Cognex Corporation (Vision Lighting Division) Recent Developments/Updates

Table 104. Cognex Corporation (Vision Lighting Division) Competitive Strengths & Weaknesses

Table 105. Opto Engineering S.p.A. Basic Information, Manufacturing Base and Competitors

Table 106. Opto Engineering S.p.A. Major Business

Table 107. Opto Engineering S.p.A. LED Pattern Illumination Modules Product and Services

Table 108. Opto Engineering S.p.A. LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Opto Engineering S.p.A. Recent Developments/Updates

Table 110. Opto Engineering S.p.A. Competitive Strengths & Weaknesses

Table 111. Banner Engineering Basic Information, Manufacturing Base and Competitors

Table 112. Banner Engineering Major Business

Table 113. Banner Engineering LED Pattern Illumination Modules Product and Services

Table 114. Banner Engineering LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Banner Engineering Recent Developments/Updates

Table 116. Banner Engineering Competitive Strengths & Weaknesses

Table 117. Effilux Basic Information, Manufacturing Base and Competitors

Table 118. Effilux Major Business

Table 119. Effilux LED Pattern Illumination Modules Product and Services

Table 120. Effilux LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Effilux Recent Developments/Updates

Table 122. Effilux Competitive Strengths & Weaknesses

Table 123. Moritex Corporation (Kowa Group) Basic Information, Manufacturing Base and Competitors

Table 124. Moritex Corporation (Kowa Group) Major Business

Table 125. Moritex Corporation (Kowa Group) LED Pattern Illumination Modules Product and Services

Table 126. Moritex Corporation (Kowa Group) LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Moritex Corporation (Kowa Group) Recent Developments/Updates

Table 128. Moritex Corporation (Kowa Group) Competitive Strengths & Weaknesses

Table 129. SCHOTT (Industrial Lighting Division) Basic Information, Manufacturing Base and Competitors

Table 130. SCHOTT (Industrial Lighting Division) Major Business

Table 131. SCHOTT (Industrial Lighting Division) LED Pattern Illumination Modules Product and Services

Table 132. SCHOTT (Industrial Lighting Division) LED Pattern Illumination Modules

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. SCHOTT (Industrial Lighting Division) Recent Developments/Updates

Table 134. SCHOTT (Industrial Lighting Division) Competitive Strengths & Weaknesses

Table 135. Metaphase Technologies Basic Information, Manufacturing Base and Competitors

Table 136. Metaphase Technologies Major Business

Table 137. Metaphase Technologies LED Pattern Illumination Modules Product and Services

Table 138. Metaphase Technologies LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Metaphase Technologies Recent Developments/Updates

Table 140. Metaphase Technologies Competitive Strengths & Weaknesses

Table 141. Gardasoft Vision Basic Information, Manufacturing Base and Competitors

Table 142. Gardasoft Vision Major Business

Table 143. Gardasoft Vision LED Pattern Illumination Modules Product and Services

Table 144. Gardasoft Vision LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Gardasoft Vision Recent Developments/Updates

Table 146. Gardasoft Vision Competitive Strengths & Weaknesses

Table 147. Beijing Daheng Image Vision Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 148. Beijing Daheng Image Vision Co., Ltd. Major Business

Table 149. Beijing Daheng Image Vision Co., Ltd. LED Pattern Illumination Modules Product and Services

Table 150. Beijing Daheng Image Vision Co., Ltd. LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Beijing Daheng Image Vision Co., Ltd. Recent Developments/Updates

Table 152. Beijing Daheng Image Vision Co., Ltd. Competitive Strengths & Weaknesses

Table 153. OPT Machine Vision Tech Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 154. OPT Machine Vision Tech Co., Ltd. Major Business

Table 155. OPT Machine Vision Tech Co., Ltd. LED Pattern Illumination Modules Product and Services

Table 156. OPT Machine Vision Tech Co., Ltd. LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin

and Market Share (2021-2026)

Table 157. OPT Machine Vision Tech Co., Ltd. Recent Developments/Updates

Table 158. OPT Machine Vision Tech Co., Ltd. Competitive Strengths & Weaknesses

Table 159. Shenzhen HIFLY Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 160. Shenzhen HIFLY Technology Co., Ltd. Major Business

Table 161. Shenzhen HIFLY Technology Co., Ltd. LED Pattern Illumination Modules Product and Services

Table 162. Shenzhen HIFLY Technology Co., Ltd. LED Pattern Illumination Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Shenzhen HIFLY Technology Co., Ltd. Recent Developments/Updates

Table 164. Shenzhen HIFLY Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 165. Global Key Players of LED Pattern Illumination Modules Upstream (Raw Materials)

Table 166. Global LED Pattern Illumination Modules Typical Customers

Table 167. LED Pattern Illumination Modules Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. LED Pattern Illumination Modules Picture

Figure 2. World LED Pattern Illumination Modules Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World LED Pattern Illumination Modules Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World LED Pattern Illumination Modules Production (2021-2032) & (K Units)

Figure 5. World LED Pattern Illumination Modules Average Price (2021-2032) & (US\$/Unit)

Figure 6. World LED Pattern Illumination Modules Production Value Market Share by Region (2021-2032)

Figure 7. World LED Pattern Illumination Modules Production Market Share by Region (2021-2032)

Figure 8. North America LED Pattern Illumination Modules Production (2021-2032) & (K Units)

Figure 9. Europe LED Pattern Illumination Modules Production (2021-2032) & (K Units)

Figure 10. China LED Pattern Illumination Modules Production (2021-2032) & (K Units)

Figure 11. Japan LED Pattern Illumination Modules Production (2021-2032) & (K Units)

Figure 12. LED Pattern Illumination Modules Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 15. World LED Pattern Illumination Modules Consumption Market Share by Region (2021-2032)

Figure 16. United States LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 17. China LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 18. Europe LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 19. Japan LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 20. South Korea LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 21. ASEAN LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 22. India LED Pattern Illumination Modules Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of LED Pattern Illumination Modules by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for LED Pattern Illumination Modules Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for LED Pattern Illumination Modules Markets in 2025

Figure 26. United States VS China: LED Pattern Illumination Modules Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: LED Pattern Illumination Modules Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: LED Pattern Illumination Modules Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers LED Pattern Illumination Modules Production Market Share 2025

Figure 30. China Based Manufacturers LED Pattern Illumination Modules Production Market Share 2025

Figure 31. Rest of World Based Manufacturers LED Pattern Illumination Modules Production Market Share 2025

Figure 32. World LED Pattern Illumination Modules Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World LED Pattern Illumination Modules Production Value Market Share by Type in 2025

Figure 34. Line Scan LED Illumination Modules

Figure 35. Bar Light / Linear Illumination Modules

Figure 36. Ring Light Illumination Modules

Figure 37. Dome / Diffuse Lighting Modules

Figure 38. Backlight Illumination Modules

Figure 39. Structured Pattern Projection Modules

Figure 40. Programmable LED Pattern Projectors

Figure 41. Programmable LED Pattern Projectors

Figure 42. World LED Pattern Illumination Modules Production Market Share by Type (2021-2032)

Figure 43. World LED Pattern Illumination Modules Production Value Market Share by Type (2021-2032)

Figure 44. World LED Pattern Illumination Modules Average Price by Type (2021-2032) & (US\$/Unit)

Figure 45. World LED Pattern Illumination Modules Production Value by Light Source,

(USD Million), 2021 & 2025 & 2032

Figure 46. World LED Pattern Illumination Modules Production Value Market Share by Light Source in 2025

Figure 47. LED-Based Modules

Figure 48. Laser-Enhanced LED Hybrid Modules

Figure 49. Infrared LED Modules

Figure 50. Ultraviolet LED Modules

Figure 51. World LED Pattern Illumination Modules Production Market Share by Light Source (2021-2032)

Figure 52. World LED Pattern Illumination Modules Production Value Market Share by Light Source (2021-2032)

Figure 53. World LED Pattern Illumination Modules Average Price by Light Source (2021-2032) & (US\$/Unit)

Figure 54. World LED Pattern Illumination Modules Production Value by Wavelength, (USD Million), 2021 & 2025 & 2032

Figure 55. World LED Pattern Illumination Modules Production Value Market Share by Wavelength in 2025

Figure 56. Visible Light (White LED)

Figure 57. Infrared (IR 850–940 nm)

Figure 58. Ultraviolet (UV 365–405 nm)

Figure 59. Multi-Spectrum (RGB / tunable)

Figure 60. World LED Pattern Illumination Modules Production Market Share by Wavelength (2021-2032)

Figure 61. World LED Pattern Illumination Modules Production Value Market Share by Wavelength (2021-2032)

Figure 62. World LED Pattern Illumination Modules Average Price by Wavelength (2021-2032) & (US\$/Unit)

Figure 63. World LED Pattern Illumination Modules Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 64. World LED Pattern Illumination Modules Production Value Market Share by Application in 2025

Figure 65. Manufacturing Industry

Figure 66. Electronics & Semiconductor Companies

Figure 67. Automotive

Figure 68. Healthcare & Medical Device Firms

Figure 69. World LED Pattern Illumination Modules Production Market Share by Application (2021-2032)

Figure 70. World LED Pattern Illumination Modules Production Value Market Share by Application (2021-2032)

Figure 71. World LED Pattern Illumination Modules Average Price by Application (2021-2032) & (US\$/Unit)

Figure 72. LED Pattern Illumination Modules Industry Chain

Figure 73. LED Pattern Illumination Modules Procurement Model

Figure 74. LED Pattern Illumination Modules Sales Model

Figure 75. LED Pattern Illumination Modules Sales Channels, Direct Sales, and Distribution

Figure 76. Methodology

Figure 77. Research Process and Data Source

## I would like to order

Product name: Global LED Pattern Illumination Modules Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G150DA3547B9EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G150DA3547B9EN.html>