

Global Infrared (IR) LED Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Infrared (IR) LED market size was valued at US\$ 836 million in 2024 and is forecast to a readjusted size of USD 1695 million by 2031 with a CAGR of 10.7% during review period.

Infrared rays are electromagnetic radiations in the nonvisible spectrum of white light, which range from 1300 to 1700 nm. Infrared light emitting diode (IR LED) is a solid-state lighting (SSL) device, which emits light in the infrared range. It spreads the light on a vast area rather than concentrating it or in other words IR LED's have a wide field of view. These LED's find their extensive use in security and surveillance cameras, along with automated driving vehicles.

The world leading players in the Infrared (IR) LED market are EVERLIGHT, Epistar, Osram, DOWA, Lite-On Technology, Vishay Intertechnology, Luminus, Ushio, AU Optronics(Lextar), Showa Denko(SDK), Lumileds, Kingbright, HPLighting, ON Semiconducts, Rohm Semiconductor and so on. These top companies currently account for more than 89% of the total market share and are expected to retain their dominating hold over the market during the forecast period.

This report is a detailed and comprehensive analysis for global Infrared (IR) LED market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Downstream Industry. 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 Infrared (IR) LED market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared (IR) LED 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 Infrared (IR) LED market size and forecasts, by Type and by Downstream Industry, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared (IR) LED 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 Infrared (IR) LED

To forecast future growth in each product and end-use market

To forecast future factors affecting the marketplace

This report profiles key players in the global Infrared (IR) LED 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 EVERLIGHT, Epistar, Osram, DOWA, Lite-On Technology, Vishay Intertechnology, Luminus, Ushio, AU Optronics (Lextar), Showa Denko (SDK), etc.

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

Market Segmentation

Infrared (IR) LED market is split by Type and by Downstream Industry. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Downstream Industry in terms of volume and

value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

700nm-850nm

850nm-940nm

940nm-1020nm

1020nm-1720nm

Market segment by Downstream Industry

Security and Surveillance

Iris & Facial Recognition

Automotive

Computer and Office

VR Device

Others

Major players covered

EVERLIGHT

Epistar

Osram

DOWA

Lite-On Technology

Vishay Intertechnology

Luminus

Ushio

AU Optronics (Lextar)

Showa Denko (SDK)

Lumileds

Kingbright

HPLighting

ON Semiconducts

Rohm Semiconductor

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 Infrared (IR) LED product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Infrared (IR) LED, with price, sales quantity, revenue, and global market share of Infrared (IR) LED from 2020 to 2025.

Chapter 3, the Infrared (IR) LED competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Infrared (IR) LED 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 Downstream Industry, with sales market share and growth rate by Type, by Downstream Industry, 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 Infrared (IR) LED market forecast, by regions, by Type, and by Downstream Industry, 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 Infrared (IR) LED.

Chapter 14 and 15, to describe Infrared (IR) LED sales channel, distributors, customers, research findings and conclusion.

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