

Global Infrared (IR) LED Market Growth 2025-2031

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Abstracts

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The global Infrared (IR) LED market size is predicted to grow from US\$ 795 million in 2025 to US\$ 1520 million in 2031; it is expected to grow at a CAGR of 11.4% from 2025 to 2031.

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.

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

This Insight Report provides a comprehensive analysis of the global Infrared (IR) LED

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 Infrared (IR) LED portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Infrared (IR) LED market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Infrared (IR) LED and breaks down the forecast by Type, by Downstream Industry, 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 Infrared (IR) LED.

This report presents a comprehensive overview, market shares, and growth opportunities of Infrared (IR) LED market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

700nm-850nm

850nm-940nm

940nm-1020nm

1020nm-1720nm

Segmentation by Downstream Industry:

Security and Surveillance

Iris & Facial Recognition

Automotive

Computer and Office

VR Device

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

EVERLIGHT

Epistar

Osram

DOWA

Lite-On Technology

Vishay Intertechnology

Luminus

Ushio

AU Optronics (Lextar)

Showa Denko (SDK)

Lumileds

Kingbright

HPLighting

ON Semiconducts

Rohm Semiconductor

Key Questions Addressed in this Report

What is the 10-year outlook for the global Infrared (IR) LED market?

What factors are driving Infrared (IR) LED market growth, globally and by region?

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

How do Infrared (IR) LED market opportunities vary by end market size?

How does Infrared (IR) LED break out by Type, by Downstream Industry?

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