

Global Infrared Emitting Diode Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Infrared Emitting Diode market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

An infrared emitting diode is an electronic device used to emit infrared light. It is a semiconductor diode that is forward biased by applying a voltage to activate the recombination process of electrons and holes, thereby producing infrared light radiation. Infrared emitting diodes usually use semiconductor materials, such as gallium arsenide (GaAs) or indium selenide (InSe). These materials have narrow energy band gaps that allow them to emit radiation in the infrared light band. Generally, the operating wavelength range of infrared emitting diodes is from 700 nanometers to 1 millimeter, covering the near-infrared, mid-infrared and far-infrared bands. Infrared emitting diodes are widely used in infrared communications, infrared remote control, infrared sensing and infrared imaging. They can be used to send infrared signals for wireless communication or remote control functions. At the same time, infrared emitting diodes can also be used in infrared sensors and infrared cameras to sense and capture the infrared radiation of targets by emitting infrared light to achieve infrared imaging and infrared detection.

This report studies the global Infrared Emitting Diode production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Infrared Emitting Diode, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Infrared Emitting Diode that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Infrared Emitting Diode total production and demand, 2018-2029, (K Units)

Global Infrared Emitting Diode total production value, 2018-2029, (USD Million)

Global Infrared Emitting Diode production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Infrared Emitting Diode consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Infrared Emitting Diode domestic production, consumption, key domestic manufacturers and share

Global Infrared Emitting Diode production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Infrared Emitting Diode production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Infrared Emitting Diode production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Infrared Emitting Diode 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 Vishay, ams OSRAM, ProPhotonix, Marktech Optoelectronics Inc, Micropac Industries Inc, Hamamatsu, IoffeLED, AP Technologies Ltd and Marubeni America Corp, 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 Infrared Emitting Diode 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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Infrared Emitting Diode Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Infrared Emitting Diode Market, Segmentation by Type

Gallium Arsenide Infrared Emitting Diode

Aluminum Gallium Arsenide Infrared Emitting Diode

Gallium Arsenide Phosphide Infrared Emitting Diode

Aluminum Gallium Arsenide Infrared Emitting Diode

Global Infrared Emitting Diode Market, Segmentation by Application

Security Industry

Medical Industry

Data Transmission Industry

Others

Companies Profiled:

Vishay

ams OSRAM

ProPhotonix

Marktech Optoelectronics Inc

Micropac Industries Inc

Hamamatsu

IoffeLED

AP Technologies Ltd

Marubeni America Corp

NY Photonics

Boston Electronics

QSI

Ushio

Ondax

Mitsubishi Polyester Film GmbH

Key Questions Answered

1. How big is the global Infrared Emitting Diode market?
2. What is the demand of the global Infrared Emitting Diode market?
3. What is the year over year growth of the global Infrared Emitting Diode market?
4. What is the production and production value of the global Infrared Emitting Diode market?
5. Who are the key producers in the global Infrared Emitting Diode market?

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