

# Infrared (IR) LED Industry Research Report 2023

<https://marketpublishers.com/r/IF0315C60D53EN.html>

Date: August 2023

Pages: 103

Price: US\$ 2,950.00 (Single User License)

ID: IF0315C60D53EN

## Abstracts

This report aims to provide a comprehensive presentation of the global market for Infrared (IR) LED, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Infrared (IR) LED.

The Infrared (IR) LED market size, estimations, and forecasts are provided in terms of output/shipments (K Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Infrared (IR) LED market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Infrared (IR) LED manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

## Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions,

collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2018-2023. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

EVERLIGHT

Epistar

Osram

DOWA

Lite-On Technology

Vishay Intertechnology

Luminus

Ushio

AU Optronics (Lextar)

Showa Denko (SDK)

Lumileds

Kingbright

HPLighting

ON Semiconducts

Rohm Semiconductor

## Product Type Insights

Global markets are presented by Infrared (IR) LED type, along with growth forecasts through 2029. Estimates on production and value are based on the price in the supply chain at which the Infrared (IR) LED are procured by the manufacturers.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

### Infrared (IR) LED segment by Type

700nm-850nm

850nm-940nm

940nm-1020nm

1020nm-1720nm

## Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors impacting the Infrared (IR) LED market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the Infrared (IR) LED market.

### Infrared (IR) LED segment by Downstream Industry

Security and Surveillance

Iris & Facial Recognition

Automotive

Computer and Office

VR Device

Others

## Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast value for 2029.

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

## Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the Infrared (IR) LED market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

### Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Infrared (IR) LED market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of Infrared (IR) LED and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the Infrared (IR) LED industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Infrared (IR) LED.

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Infrared (IR) LED manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Infrared (IR) LED by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Infrared (IR) LED in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by downstream industry, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.



## Contents

### 1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
  - 1.5.1 Secondary Sources
  - 1.5.2 Primary Sources

### 2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Infrared (IR) LED by Type
  - 2.2.1 Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)
    - 1.2.2 700nm-850nm
    - 1.2.3 850nm-940nm
    - 1.2.4 940nm-1020nm
    - 1.2.5 1020nm-1720nm
- 2.3 Infrared (IR) LED by Downstream Industry
  - 2.3.1 Market Value Comparison by Downstream Industry (2018 VS 2022 VS 2029) & (US\$ Million)
  - 2.3.2 Security and Surveillance
  - 2.3.3 Iris & Facial Recognition
  - 2.3.4 Automotive
  - 2.3.5 Computer and Office
  - 2.3.6 VR Device
  - 2.3.7 Others
- 2.4 Global Market Growth Prospects
  - 2.4.1 Global Infrared (IR) LED Production Value Estimates and Forecasts (2018-2029)
  - 2.4.2 Global Infrared (IR) LED Production Capacity Estimates and Forecasts (2018-2029)
  - 2.4.3 Global Infrared (IR) LED Production Estimates and Forecasts (2018-2029)
  - 2.4.4 Global Infrared (IR) LED Market Average Price (2018-2029)

### 3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Infrared (IR) LED Production by Manufacturers (2018-2023)
- 3.2 Global Infrared (IR) LED Production Value by Manufacturers (2018-2023)
- 3.3 Global Infrared (IR) LED Average Price by Manufacturers (2018-2023)
- 3.4 Global Infrared (IR) LED Industry Manufacturers Ranking, 2021 VS 2022 VS 2023
- 3.5 Global Infrared (IR) LED Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Infrared (IR) LED Manufacturers, Product Type & Application
- 3.7 Global Infrared (IR) LED Manufacturers, Date of Enter into This Industry
- 3.8 Global Infrared (IR) LED Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

## **4 MANUFACTURERS PROFILED**

### **4.1 EVERLIGHT**

- 4.1.1 EVERLIGHT Infrared (IR) LED Company Information
- 4.1.2 EVERLIGHT Infrared (IR) LED Business Overview
- 4.1.3 EVERLIGHT Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
- 4.1.4 EVERLIGHT Product Portfolio
- 4.1.5 EVERLIGHT Recent Developments

### **4.2 Epistar**

- 4.2.1 Epistar Infrared (IR) LED Company Information
- 4.2.2 Epistar Infrared (IR) LED Business Overview
- 4.2.3 Epistar Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
- 4.2.4 Epistar Product Portfolio
- 4.2.5 Epistar Recent Developments

### **4.3 Osram**

- 4.3.1 Osram Infrared (IR) LED Company Information
- 4.3.2 Osram Infrared (IR) LED Business Overview
- 4.3.3 Osram Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
- 4.3.4 Osram Product Portfolio
- 4.3.5 Osram Recent Developments

### **4.4 DOWA**

- 4.4.1 DOWA Infrared (IR) LED Company Information
- 4.4.2 DOWA Infrared (IR) LED Business Overview
- 4.4.3 DOWA Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
- 4.4.4 DOWA Product Portfolio
- 4.4.5 DOWA Recent Developments

### **4.5 Lite-On Technology**

- 4.5.1 Lite-On Technology Infrared (IR) LED Company Information
- 4.5.2 Lite-On Technology Infrared (IR) LED Business Overview

#### 4.5.3 Lite-On Technology Infrared (IR) LED Production, Value and Gross Margin (2018-2023)

##### 4.5.4 Lite-On Technology Product Portfolio

##### 4.5.5 Lite-On Technology Recent Developments

#### 4.6 Vishay Intertechnology

##### 4.6.1 Vishay Intertechnology Infrared (IR) LED Company Information

##### 4.6.2 Vishay Intertechnology Infrared (IR) LED Business Overview

#### 4.6.3 Vishay Intertechnology Infrared (IR) LED Production, Value and Gross Margin (2018-2023)

##### 4.6.4 Vishay Intertechnology Product Portfolio

##### 4.6.5 Vishay Intertechnology Recent Developments

#### 4.7 Luminus

##### 4.7.1 Luminus Infrared (IR) LED Company Information

##### 4.7.2 Luminus Infrared (IR) LED Business Overview

#### 4.7.3 Luminus Infrared (IR) LED Production, Value and Gross Margin (2018-2023)

##### 4.7.4 Luminus Product Portfolio

##### 4.7.5 Luminus Recent Developments

#### 4.8 Ushio

##### 4.8.1 Ushio Infrared (IR) LED Company Information

##### 4.8.2 Ushio Infrared (IR) LED Business Overview

#### 4.8.3 Ushio Infrared (IR) LED Production, Value and Gross Margin (2018-2023)

##### 4.8.4 Ushio Product Portfolio

##### 4.8.5 Ushio Recent Developments

#### 4.9 AU Optronics (Lextar)

##### 4.9.1 AU Optronics (Lextar) Infrared (IR) LED Company Information

##### 4.9.2 AU Optronics (Lextar) Infrared (IR) LED Business Overview

#### 4.9.3 AU Optronics (Lextar) Infrared (IR) LED Production, Value and Gross Margin (2018-2023)

##### 4.9.4 AU Optronics (Lextar) Product Portfolio

##### 4.9.5 AU Optronics (Lextar) Recent Developments

#### 4.10 Showa Denko (SDK)

##### 4.10.1 Showa Denko (SDK) Infrared (IR) LED Company Information

##### 4.10.2 Showa Denko (SDK) Infrared (IR) LED Business Overview

#### 4.10.3 Showa Denko (SDK) Infrared (IR) LED Production, Value and Gross Margin (2018-2023)

##### 4.10.4 Showa Denko (SDK) Product Portfolio

##### 4.10.5 Showa Denko (SDK) Recent Developments

#### 7.11 Lumileds

##### 7.11.1 Lumileds Infrared (IR) LED Company Information

- 7.11.2 Lumileds Infrared (IR) LED Business Overview
- 4.11.3 Lumileds Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
- 7.11.4 Lumileds Product Portfolio
- 7.11.5 Lumileds Recent Developments
- 7.12 Kingbright
  - 7.12.1 Kingbright Infrared (IR) LED Company Information
  - 7.12.2 Kingbright Infrared (IR) LED Business Overview
  - 7.12.3 Kingbright Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
  - 7.12.4 Kingbright Product Portfolio
  - 7.12.5 Kingbright Recent Developments
- 7.13 HPLighting
  - 7.13.1 HPLighting Infrared (IR) LED Company Information
  - 7.13.2 HPLighting Infrared (IR) LED Business Overview
  - 7.13.3 HPLighting Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
  - 7.13.4 HPLighting Product Portfolio
  - 7.13.5 HPLighting Recent Developments
- 7.14 ON Semiconducts
  - 7.14.1 ON Semiconducts Infrared (IR) LED Company Information
  - 7.14.2 ON Semiconducts Infrared (IR) LED Business Overview
  - 7.14.3 ON Semiconducts Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
  - 7.14.4 ON Semiconducts Product Portfolio
  - 7.14.5 ON Semiconducts Recent Developments
- 7.15 Rohm Semiconductor
  - 7.15.1 Rohm Semiconductor Infrared (IR) LED Company Information
  - 7.15.2 Rohm Semiconductor Infrared (IR) LED Business Overview
  - 7.15.3 Rohm Semiconductor Infrared (IR) LED Production, Value and Gross Margin (2018-2023)
  - 7.15.4 Rohm Semiconductor Product Portfolio
  - 7.15.5 Rohm Semiconductor Recent Developments

## **5 GLOBAL INFRARED (IR) LED PRODUCTION BY REGION**

- 5.1 Global Infrared (IR) LED Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 5.2 Global Infrared (IR) LED Production by Region: 2018-2029
  - 5.2.1 Global Infrared (IR) LED Production by Region: 2018-2023
  - 5.2.2 Global Infrared (IR) LED Production Forecast by Region (2024-2029)
- 5.3 Global Infrared (IR) LED Production Value Estimates and Forecasts by Region:

2018 VS 2022 VS 2029

5.4 Global Infrared (IR) LED Production Value by Region: 2018-2029

5.4.1 Global Infrared (IR) LED Production Value by Region: 2018-2023

5.4.2 Global Infrared (IR) LED Production Value Forecast by Region (2024-2029)

5.5 Global Infrared (IR) LED Market Price Analysis by Region (2018-2023)

5.6 Global Infrared (IR) LED Production and Value, YOY Growth

5.6.1 North America Infrared (IR) LED Production Value Estimates and Forecasts (2018-2029)

5.6.2 Europe Infrared (IR) LED Production Value Estimates and Forecasts (2018-2029)

5.6.3 China Infrared (IR) LED Production Value Estimates and Forecasts (2018-2029)

5.6.4 Japan Infrared (IR) LED Production Value Estimates and Forecasts (2018-2029)

5.6.5 Southeast Asia Infrared (IR) LED Production Value Estimates and Forecasts (2018-2029)

5.6.6 Taiwan Infrared (IR) LED Production Value Estimates and Forecasts (2018-2029)

## **6 GLOBAL INFRARED (IR) LED CONSUMPTION BY REGION**

6.1 Global Infrared (IR) LED Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

6.2 Global Infrared (IR) LED Consumption by Region (2018-2029)

6.2.1 Global Infrared (IR) LED Consumption by Region: 2018-2029

6.2.2 Global Infrared (IR) LED Forecasted Consumption by Region (2024-2029)

6.3 North America

6.3.1 North America Infrared (IR) LED Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.3.2 North America Infrared (IR) LED Consumption by Country (2018-2029)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Infrared (IR) LED Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.4.2 Europe Infrared (IR) LED Consumption by Country (2018-2029)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

## 6.5 Asia Pacific

6.5.1 Asia Pacific Infrared (IR) LED Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.5.2 Asia Pacific Infrared (IR) LED Consumption by Country (2018-2029)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

## 6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Infrared (IR) LED Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.6.2 Latin America, Middle East & Africa Infrared (IR) LED Consumption by Country (2018-2029)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

## 7 SEGMENT BY TYPE

7.1 Global Infrared (IR) LED Production by Type (2018-2029)

7.1.1 Global Infrared (IR) LED Production by Type (2018-2029) & (K Units)

7.1.2 Global Infrared (IR) LED Production Market Share by Type (2018-2029)

7.2 Global Infrared (IR) LED Production Value by Type (2018-2029)

7.2.1 Global Infrared (IR) LED Production Value by Type (2018-2029) & (US\$ Million)

7.2.2 Global Infrared (IR) LED Production Value Market Share by Type (2018-2029)

7.3 Global Infrared (IR) LED Price by Type (2018-2029)

## 8 SEGMENT BY DOWNSTREAM INDUSTRY

8.1 Global Infrared (IR) LED Production by Downstream Industry (2018-2029)

8.1.1 Global Infrared (IR) LED Production by Downstream Industry (2018-2029) & (K Units)

8.1.2 Global Infrared (IR) LED Production by Downstream Industry (2018-2029) & (K Units)

8.2 Global Infrared (IR) LED Production Value by Downstream Industry (2018-2029)

8.2.1 Global Infrared (IR) LED Production Value by Downstream Industry (2018-2029)  
& (US\$ Million)

8.2.2 Global Infrared (IR) LED Production Value Market Share by Downstream  
Industry (2018-2029)

8.3 Global Infrared (IR) LED Price by Downstream Industry (2018-2029)

## **9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET**

9.1 Infrared (IR) LED Value Chain Analysis

9.1.1 Infrared (IR) LED Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Infrared (IR) LED Production Mode & Process

9.2 Infrared (IR) LED Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Infrared (IR) LED Distributors

9.2.3 Infrared (IR) LED Customers

## **10 GLOBAL INFRARED (IR) LED ANALYZING MARKET DYNAMICS**

10.1 Infrared (IR) LED Industry Trends

10.2 Infrared (IR) LED Industry Drivers

10.3 Infrared (IR) LED Industry Opportunities and Challenges

10.4 Infrared (IR) LED Industry Restraints

## **11 REPORT CONCLUSION**

## **12 DISCLAIMER**

## I would like to order

Product name: Infrared (IR) LED Industry Research Report 2023

Product link: <https://marketpublishers.com/r/IF0315C60D53EN.html>

Price: US\$ 2,950.00 (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/IF0315C60D53EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970