

Global Light Fidelity (Li-Fi) & Visible Light Communication Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Light Fidelity (Li-Fi) & Visible Light Communication market size was valued at USD 7399 million in 2023 and is forecast to a readjusted size of USD 29950 million by 2030 with a CAGR of 22.1% during review period.

Visible light communication (VLC) is a wireless method that enables high-speed transmission of data with visible light.

The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly.

According to our Communications Research Centre, in 2022, the global communication equipment was valued at US\$ 100 billion. The U.S. and China are powerhouses in the manufacture of communications equipment. According to data from the Ministry of Industry and Information Technology of China, the cumulative revenue of telecommunications services in 2022 was ?1.58 trillion, an increase of 8% over the previous year. The total amount of telecommunications business calculated at the price of the previous year reached ?1.75 trillion, a year-on-year increase of 21.3%. In the same year, the fixed Internet broadband access business revenue was ?240.2 billion, an increase of 7.1% over the previous year, and its proportion in the telecommunications business revenue decreased from 15.3% in the previous year to 15.2%, driving the telecommunications business revenue to increase by 1.1 percentage points.

The Global Info Research report includes an overview of the development of the Light Fidelity (Li-Fi) & Visible Light Communication industry chain, the market status of Retail (LED, Photodetectors), Electronics (LED, Photodetectors), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Light Fidelity (Li-Fi) & Visible Light Communication.

Regionally, the report analyzes the Light Fidelity (Li-Fi) & Visible Light Communication markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Light Fidelity (Li-Fi) & Visible Light Communication market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Light Fidelity (Li-Fi) & Visible Light Communication market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Light Fidelity (Li-Fi) & Visible Light Communication industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., LED, Photodetectors).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Light Fidelity (Li-Fi) & Visible Light Communication market.

Regional Analysis: The report involves examining the Light Fidelity (Li-Fi) & Visible Light Communication market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Light Fidelity (Li-Fi) & Visible Light Communication market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Light Fidelity (Li-Fi) & Visible Light Communication:

Company Analysis: Report covers individual Light Fidelity (Li-Fi) & Visible Light Communication players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Light Fidelity (Li-Fi) & Visible Light Communication. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Retail, Electronics).

Technology Analysis: Report covers specific technologies relevant to Light Fidelity (Li-Fi) & Visible Light Communication. It assesses the current state, advancements, and potential future developments in Light Fidelity (Li-Fi) & Visible Light Communication areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Light Fidelity (Li-Fi) & Visible Light Communication market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Light Fidelity (Li-Fi) & Visible Light Communication market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

LED

Photodetectors

Microcontrollers (MCU)

Market segment by Application

Retail

Electronics

Defense & Security

Automotive & Transport

Aerospace & Aviation

Healthcare

Others

Market segment by players, this report covers

General Electric

Oledcomm

Renesas Electronics

PureLiFi

LVX System

Acuity Brands

Qualcomm

IBSENtelecom

Koninklijke Philips

Panasonic

Spectrum Networks

Consolite Technology

VLNComm

Oledcomm

Infinity Technology Services

Luciom

Global LiFi Tech

Feit Electric (LIFX)

Wipro

LumEfficient

LightBee

Lucibel

Firefly LiFi

Signify

Velmenni

ZERO1

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Light Fidelity (Li-Fi) & Visible Light Communication product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Light Fidelity (Li-Fi) & Visible Light Communication, with revenue, gross margin and global market share of Light Fidelity (Li-Fi) & Visible Light Communication from 2019 to 2024.

Chapter 3, the Light Fidelity (Li-Fi) & Visible Light Communication competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Light Fidelity (Li-Fi) & Visible Light Communication market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Light Fidelity

(Li-Fi) & Visible Light Communication.

Chapter 13, to describe Light Fidelity (Li-Fi) & Visible Light Communication research findings and conclusion.

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