

Global Smart LED Lighting Market Size Study, by Product (Wired, Wireless), by Technology (Hybrid, Dali, WiFi, Bluetooth, Zigbee), by Distribution Channel (Online, Offline), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GC5520555854EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GC5520555854EN

Abstracts

The Global Smart LED Lighting Market is valued at approximately USD 23.78 billion in 2023 and is anticipated to expand at a robust compound annual growth rate (CAGR) of 14.90% over the forecast period from 2024 to 2032. The smart LED lighting market represents a paradigm shift in lighting solutions, driven by the rising demand for energy-efficient technologies and the integration of IoT for seamless automation. These advanced systems, designed to optimize energy consumption, enhance user convenience, and provide innovative lighting options, are transforming residential, commercial, and industrial environments. The combination of wireless connectivity and intelligent control mechanisms allows for dynamic adjustments, catering to diverse aesthetic and functional requirements.

The market's growth is fueled by technological advancements that combine wireless connectivity and automation, offering enhanced functionality and energy savings. Smart LED lighting solutions, which include adaptive brightness, color tuning, and schedule-based controls, are increasingly sought after in both urban and rural settings. Furthermore, initiatives promoting energy conservation and sustainable practices are accelerating the adoption of smart LED lighting. However, challenges such as high initial costs and technical complexities in integration may limit the pace of market expansion. On the other hand, continuous innovation in wireless technologies and growing awareness of energy savings present significant opportunities.

Regional analysis reveals that North America is at the forefront of the smart LED lighting market, attributed to its advanced technological infrastructure and strong regulatory

support for energy-efficient solutions. Europe follows closely, with its emphasis on sustainability and extensive retrofitting initiatives across residential and commercial properties. Meanwhile, the Asia-Pacific region is poised to exhibit the fastest growth rate during the forecast period. Rapid urbanization, increasing smart city projects, and a rising focus on green building standards in countries like China, India, and Japan are driving market dynamics in this region.

Major market players included in this report are:

Philips Lighting N.V.

Acuity Brands Lighting, Inc.

Cree, Inc.

OSRAM Licht AG

General Electric Company

Hubbell Incorporated

Honeywell International Inc.

Lutron Electronics Co., Inc.

Eaton Corporation

Legrand SA

Siemens AG

Wipro Lighting

Toshiba Lighting

Zumtobel Group AG

RAB Lighting Inc.

The detailed segments and sub-segment of the market are explained below:

By Product:

Wired

Wireless

By Technology:

Hybrid

Dali

WiFi

Bluetooth

Zigbee

By Distribution Channel:

Online

Offline

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024-2032

Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed geographical landscape analysis with country-level insights.

Competitive landscape featuring information on key market players.

Analysis of pivotal business strategies and recommendations for future market approaches.

Comprehensive demand-side and supply-side market analysis.

Contents

CHAPTER 1. GLOBAL SMART LED LIGHTING MARKET EXECUTIVE SUMMARY

- 1.1. Global Smart LED Lighting Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Product
 - 1.3.2. By Technology
 - 1.3.3. By Distribution Channel
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL SMART LED LIGHTING MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL SMART LED LIGHTING MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Increasing Demand for Energy-Efficient Technologies
- 3.1.2. Integration of IoT for Seamless Automation
- 3.1.3. Rising Awareness of Sustainable Practices

3.2. Market Challenges

- 3.2.1. High Initial Investment Costs
- 3.2.2. Technical Complexities in Integration

3.3. Market Opportunities

- 3.3.1. Continuous Innovation in Wireless Technologies
- 3.3.2. Growing Awareness of Energy Savings
- 3.3.3. Expansion into Emerging Markets with Smart City Projects

CHAPTER 4. GLOBAL SMART LED LIGHTING MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunities

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SMART LED LIGHTING MARKET SIZE & FORECASTS BY PRODUCT 2022-2032

5.1. Segment Dashboard

5.2. Global Smart LED Lighting Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 5.2.1. Wired
- 5.2.2. Wireless

CHAPTER 6. GLOBAL SMART LED LIGHTING MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032

6.1. Segment Dashboard

6.2. Global Smart LED Lighting Market: Technology Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 6.2.1. Hybrid
- 6.2.2. Dali
- 6.2.3. WiFi
- 6.2.4. Bluetooth
- 6.2.5. Zigbee

CHAPTER 7. GLOBAL SMART LED LIGHTING MARKET SIZE & FORECASTS BY DISTRIBUTION CHANNEL 2022-2032

7.1. Segment Dashboard

7.2. Global Smart LED Lighting Market: Distribution Channel Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 7.2.1. Online
- 7.2.2. Offline

CHAPTER 8. GLOBAL SMART LED LIGHTING MARKET SIZE & FORECASTS BY REGION 2022-2032

8.1. North America Smart LED Lighting Market

- 8.1.1. U.S. Smart LED Lighting Market
 - 8.1.1.1. Product Breakdown Size & Forecasts, 2022-2032
 - 8.1.1.2. Technology Breakdown Size & Forecasts, 2022-2032
- 8.1.2. Canada Smart LED Lighting Market

8.2. Europe Smart LED Lighting Market

- 8.2.1. UK Smart LED Lighting Market
- 8.2.2. Germany Smart LED Lighting Market
- 8.2.3. France Smart LED Lighting Market
- 8.2.4. Spain Smart LED Lighting Market

- 8.2.5. Italy Smart LED Lighting Market
- 8.2.6. Rest of Europe Smart LED Lighting Market
- 8.3. Asia-Pacific Smart LED Lighting Market
 - 8.3.1. China Smart LED Lighting Market
 - 8.3.2. India Smart LED Lighting Market
 - 8.3.3. Japan Smart LED Lighting Market
 - 8.3.4. Australia Smart LED Lighting Market
 - 8.3.5. South Korea Smart LED Lighting Market
 - 8.3.6. Rest of Asia-Pacific Smart LED Lighting Market
- 8.4. Latin America Smart LED Lighting Market
 - 8.4.1. Brazil Smart LED Lighting Market
 - 8.4.2. Mexico Smart LED Lighting Market
 - 8.4.3. Rest of Latin America Smart LED Lighting Market
- 8.5. Middle East & Africa Smart LED Lighting Market
 - 8.5.1. Saudi Arabia Smart LED Lighting Market
 - 8.5.2. South Africa Smart LED Lighting Market
 - 8.5.3. Rest of Middle East & Africa Smart LED Lighting Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Philips Lighting N.V.
 - 9.1.2. Acuity Brands Lighting, Inc.
 - 9.1.3. Cree, Inc.
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Philips Lighting N.V.
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Market Strategies
 - 9.3.2. Acuity Brands Lighting, Inc.
 - 9.3.3. Cree, Inc.
 - 9.3.4. OSRAM Licht AG
 - 9.3.5. General Electric Company
 - 9.3.6. Hubbell Incorporated
 - 9.3.7. Honeywell International Inc.
 - 9.3.8. Lutron Electronics Co., Inc.

- 9.3.9. Eaton Corporation
- 9.3.10. Legrand SA
- 9.3.11. Siemens AG
- 9.3.12. Wipro Lighting
- 9.3.13. Toshiba Lighting
- 9.3.14. Zumtobel Group AG
- 9.3.15. RAB Lighting Inc.

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Smart LED Lighting Market, Report Scope

TABLE 2. Global Smart LED Lighting Market Estimates & Forecasts by Region
2022-2032 (USD Million/Billion)

TABLE 3. Global Smart LED Lighting Market Estimates & Forecasts by Product
2022-2032 (USD Million/Billion)

TABLE 4. Global Smart LED Lighting Market Estimates & Forecasts by Technology
2022-2032 (USD Million/Billion)

TABLE 5. Global Smart LED Lighting Market Estimates & Forecasts by Distribution
Channel 2022-2032 (USD Million/Billion)

TABLE 6. Global Smart LED Lighting Market Estimates & Forecasts by Product
2022-2032 (USD Million/Billion)

TABLE 7. Global Smart LED Lighting Market Estimates & Forecasts by Technology
2022-2032 (USD Million/Billion)

TABLE 8. Global Smart LED Lighting Market Estimates & Forecasts by Distribution
Channel 2022-2032 (USD Million/Billion)

TABLE 9. U.S. Smart LED Lighting Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 10. U.S. Smart LED Lighting Market Estimates & Forecasts by Product
2022-2032 (USD Million/Billion)

TABLE 11. U.S. Smart LED Lighting Market Estimates & Forecasts by Technology
2022-2032 (USD Million/Billion)

TABLE 12. U.S. Smart LED Lighting Market Estimates & Forecasts by Distribution
Channel 2022-2032 (USD Million/Billion)

TABLE 13. Canada Smart LED Lighting Market Estimates & Forecasts by Product
2022-2032 (USD Million/Billion)

TABLE 14. Canada Smart LED Lighting Market Estimates & Forecasts by Technology
2022-2032 (USD Million/Billion)

TABLE 15. Canada Smart LED Lighting Market Estimates & Forecasts by Distribution
Channel 2022-2032 (USD Million/Billion)

TABLE 16. UK Smart LED Lighting Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 17. Germany Smart LED Lighting Market Estimates & Forecasts, 2022-2032
(USD Million/Billion)

TABLE 18. France Smart LED Lighting Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 19. Spain Smart LED Lighting Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 20. Italy Smart LED Lighting Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

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(This list is not complete; the final report does contain more than 100 tables. The list may be updated in the final deliverable.)

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