

# Street And Roadway Lighting Market Outlook 2025-2034: Market Share, and Growth Analysis By Offerings (Hardware, Software, Services), By Lighting Type (Conventional Lighting, Smart Lighting), By Light Source, By End User Industry

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## Abstracts

The Street And Roadway Lighting Market is valued at USD 9.7 billion in 2025 and is projected to grow at a CAGR of 7.2% to reach USD 18.2 billion by 2034. The street and roadway lighting market plays a critical role in urban infrastructure by providing illumination for roads, streets, highways, and other public spaces. These lighting systems are essential for improving visibility, enhancing safety, and supporting the functionality of outdoor spaces at night. With the rapid urbanization of cities and the ongoing need for energy-efficient solutions, street and roadway lighting have evolved from traditional incandescent and fluorescent bulbs to more modern systems that use LED technology, smart controls, and renewable energy sources. The shift towards energy-efficient LED lighting is a major trend in the market, as it reduces energy consumption, lowers maintenance costs, and improves the overall lifespan of lighting systems. Governments and municipalities are driving these advancements by increasingly adopting sustainable, long-term lighting solutions to reduce carbon footprints and achieve energy savings. With smart city initiatives gaining traction globally, the integration of IoT (Internet of Things) technology into street and roadway lighting systems is also on the rise, allowing for real-time monitoring, automation, and adaptive lighting control. This integration improves efficiency and responsiveness to environmental conditions, such as traffic flow and weather changes, making the market an integral part of modern city planning. The street and roadway lighting market continued to grow, driven by the demand for energy-efficient and sustainable lighting solutions. LED lighting technology dominated the market, with municipalities and governments worldwide increasingly shifting from conventional streetlights to LEDs due

to their lower operational costs and longer lifespans. Additionally, the growing focus on smart cities and the adoption of IoT-based solutions spurred advancements in the market. Smart street lighting systems equipped with sensors, adaptive lighting controls, and remote monitoring features gained popularity as cities aimed to improve energy efficiency and reduce operational costs. These systems also allowed for more dynamic responses to traffic patterns and environmental conditions. Furthermore, the rise of renewable energy-powered streetlights, such as solar-powered lighting systems, provided an eco-friendly alternative to traditional lighting. Despite these advancements, the market faced challenges related to the high initial costs of transitioning to LED and smart lighting systems, as well as the need for skilled technicians for installation and maintenance. However, the long-term cost savings and environmental benefits associated with these upgrades continued to drive market growth in 2024. The street and roadway lighting market is expected to continue its upward trajectory, fueled by technological innovations, the increasing adoption of smart city solutions, and continued government investments in infrastructure modernization. The integration of artificial intelligence (AI) and machine learning (ML) into street lighting systems will enable even greater levels of automation, with lights adjusting based on real-time data related to traffic patterns, pedestrian movement, and environmental factors. The growing emphasis on sustainability will drive further adoption of solar-powered and energy-efficient lighting systems, with a focus on reducing carbon emissions and reliance on non-renewable energy sources. Additionally, as cities embrace more connected, intelligent infrastructure, the demand for integrated systems that allow for seamless communication between streetlights, traffic management systems, and other urban infrastructure will rise. The rise of electric vehicles (EVs) and their integration into smart city initiatives will also create opportunities for charging stations that integrate with street lighting systems. However, challenges such as the need for significant upfront investments in infrastructure and the technical barriers of integrating new systems into existing urban networks will continue to impact market growth in the coming years.

### Key Insights Street And Roadway Lighting Market

Widespread adoption of energy-efficient LED lighting solutions, reducing energy consumption and maintenance costs while improving lighting quality.

Integration of smart city technology, including IoT-based street lighting systems that offer real-time monitoring and adaptive lighting controls.

Increased focus on sustainability, with renewable energy-powered streetlights, such as solar-powered lighting systems, gaining popularity in urban areas.

Growing demand for integrated lighting solutions that connect with other smart infrastructure, including traffic management and public safety systems.

Advancements in AI and machine learning technologies for smart street lighting, enabling dynamic adjustments based on real-time data from traffic and environmental sensors.

The global push for energy-efficient solutions, with governments and municipalities increasingly shifting to LED and smart lighting systems to reduce operational costs and energy consumption.

Government investments in smart city initiatives, including the adoption of IoT-based street lighting systems for improved urban management and sustainability.

Rising demand for sustainable solutions, particularly solar-powered streetlights, to reduce dependence on non-renewable energy sources and lower carbon footprints.

Technological advancements in lighting systems, such as adaptive lighting, AI-driven controls, and remote monitoring capabilities, making street lighting more efficient and responsive to urban conditions.

High initial investment costs and the technical challenges of integrating new lighting systems into existing infrastructure, making the transition to modern solutions slow for some municipalities.

## Street And Roadway Lighting Market Segmentation

### By Offerings

Hardware

Software

Services

## By Lighting Type

Conventional Lighting

Smart Lighting

## By Light Source

LEDs

Fluorescent Lamps

High-Intensity Discharge Lamps

## By End User Industry

Highways

Street

Roadways

## Key Companies Analysed

Cree Inc.

Acuity Brands Inc.

OSRAM Licht AG

Current Lighting Solutions

Syska LED Lights Pvt Ltd.

Signify Holding

DCD Technologies ME FZCO

Hubbell Inc.

Zumbotel Group

LED roadway lighting Ltd.

ClaroLux Landscape Lighting

Forus Electric Private Limited

Koninklijke Philips N V

WS Atkins Plc

Shenzhen GHC Co. Ltd.

Lighting Reality Ltd.

Schneider Electric

Silver Spring

Petra Systems

Eaton Corporation plc

SHAH

Streetlight.Vision

Philips Lighting

TVILIGHT Projects B.V.

General Electric Company

Echelon Corporation

Cyan Technology Ltd.

Teletrac Navman Ltd.

ONTAZ

Lutron Electronics Company

Honeywell International Inc.

Bridgelux Inc. .

### Street And Roadway Lighting Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

### Street And Roadway Lighting Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Street And Roadway Lighting market data and outlook to 2034

United States

Canada

Mexico

Europe — Street And Roadway Lighting market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Street And Roadway Lighting market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Street And Roadway Lighting market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Street And Roadway Lighting market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Street And Roadway Lighting value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling

*Street And Roadway Lighting Market Outlook 2025-2034: Market Share, and Growth Analysis By Offerings (Hardware...*

techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

### Key Questions Addressed

What is the current and forecast market size of the Street And Roadway Lighting industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

### Your Key Takeaways from the Street And Roadway Lighting Market Report

Global Street And Roadway Lighting market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Street And Roadway Lighting trade, costs, and supply chains

Street And Roadway Lighting market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Street And Roadway Lighting market size, CAGR, and market share of key

products, applications, and end-user verticals, 2023-2034

Short- and long-term Street And Roadway Lighting market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Street And Roadway Lighting supply chain analysis

Street And Roadway Lighting trade analysis, Street And Roadway Lighting market price analysis, and Street And Roadway Lighting supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Street And Roadway Lighting market news and developments

### Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

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