

# Lighting Energy Analytics Market Drivers 2026-2030: Regional Perspectives and Size Evaluation

*The Business Research Company's  
Lighting Energy Analytics Market Drivers  
2026-2030: Regional Perspectives and  
Size Evaluation*

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[/Einpresswire.com/](https://www.einpresswire.com/) -- "The lighting  
energy analytics market is rapidly

evolving as industries and governments focus more on sustainability and energy management. With the increasing integration of smart technologies and data-driven solutions, this sector is set to experience substantial growth in the coming years. Let's explore the current market size, key drivers, major players, and regional trends shaping the future of lighting energy analytics.



Expected to grow to \$9.41 billion in 2030 at a compound annual growth rate (CAGR) of 15.3%"

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[Lighting Energy Analytics Market Size](#) and Expected Growth Trajectory

In recent years, the lighting energy analytics market has demonstrated significant expansion. It is projected to increase from \$4.64 billion in 2025 to \$5.33 billion in 2026, representing a strong compound annual growth rate (CAGR) of 15.0%. This historical growth has been driven by factors such as the rise of commercial building

automation, the spread of smart city initiatives, escalating electricity prices, growing adoption of LED lighting systems, and a heightened demand for tools that monitor energy consumption.

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Looking ahead, the market is expected to continue its rapid ascent, reaching \$9.41 billion by 2030 with an even higher CAGR of 15.3%. This surge will largely be fueled by stricter energy efficiency regulations, increased investments in smart infrastructure projects, wider acceptance



of AI-powered analytics, expansion of net-zero building initiatives, and a growing need for real-time energy consumption insights. Emerging trends that will influence the market include the rollout of smart lighting analytics platforms, adoption of occupancy-based lighting controls, enhanced predictive maintenance through analytics, growth of cloud-based energy monitoring, and tighter integration with building management systems.

### Defining Lighting Energy Analytics and Its Role

Lighting energy analytics involves using data-driven technologies and systems to monitor, assess, and optimize energy use within lighting infrastructures. By employing sensors, smart meters, and analytical software, these systems gather detailed information on energy consumption patterns, performance metrics, and efficiency indicators. This integration of monitoring and analytical technologies supports improved lighting management, helps reduce operational energy costs, and enables informed decision-making aimed at sustainable lighting solutions.

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### Key Factors Boosting the Lighting Energy Analytics Market

A primary driver behind the market's growth is the rising demand for energy-efficient buildings. Energy efficiency in this context means reducing energy use through smarter design, better materials, and advanced technologies while maintaining occupant comfort and functionality. As energy prices climb, building owners and tenants are increasingly motivated to implement solutions that curtail energy consumption and cut down operating expenses. Lighting energy analytics plays a crucial role by providing tools to monitor and optimize lighting systems, thus minimizing waste and lowering overall energy use. For example, in July 2024, the U.S. Green Building Council reported involvement in over 46,000 residential projects certified under the LEED green building program, with a nearly 5% rise in new LEED residential registrations in 2023. This growing emphasis on energy-efficient buildings is a significant factor driving the market.

### How Rising Energy Prices Are Encouraging Market Expansion

The steady increase in energy costs is another important force accelerating the lighting energy analytics market. Energy costs encompass all expenditures related to generating, purchasing, distributing, and consuming energy, including fuel prices and operational charges. Recent surges in fuel prices have driven up electricity generation and supply expenses worldwide. Lighting energy analytics helps address this challenge by delivering data insights that optimize lighting usage, reduce waste, and enhance efficiency through continuous monitoring and analysis. For instance, in October 2024, Eurostat reported that average household electricity prices in the European Union rose to \$31.21 per 100 kWh in the first half of 2023, up from \$27.32 in the same period in 2022. These rising costs underline the growing need for energy optimization solutions, boosting demand for lighting energy analytics.

## Cloud Adoption Accelerates Market Growth Through Advanced Capabilities

Increasing adoption of cloud technologies is also propelling the lighting energy analytics market forward. Cloud adoption refers to the migration of IT resources, including data and applications, onto cloud platforms to gain greater scalability, flexibility, and cost-efficiency. The growing volume of data generated by smart lighting systems and the demand for scalable analytic capabilities make cloud solutions especially valuable. Lighting energy analytics benefits from cloud platforms by enabling real-time data processing, remote system management, and continuous performance optimization. For example, in 2025, Eurostat noted that 45% of EU businesses used cloud computing services in 2023, with large enterprises adopting cloud at a rate of 78% compared to 44% for SMEs. This trend toward cloud integration is a key growth driver for lighting energy analytics.

## Regional Market Leaders and Emerging Growth Areas

North America currently holds the largest share of the lighting energy analytics market as of 2025. However, the Asia-Pacific region is expected to lead in terms of growth rate during the forecast period. The market report encompasses several important geographic regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive view of regional trends and opportunities across the globe.

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