



The Global Smart Street Lighting Market

3rd Edition

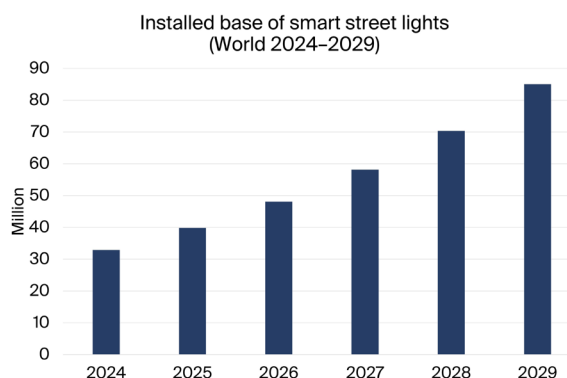
The Global Smart Street Lighting Market analyses the latest developments on this important smart cities application worldwide. This strategic research report from Berg Insight provides you with 125 pages of unique business intelligence including 5-year industry forecasts and expert commentary on which to base your business decisions.

The installed base of individually controlled street lights to reach 85.0 million in 2029

Electrified public street lighting infrastructure has been around since the late 19th century to improve vehicle and pedestrian safety as well as to provide increased comfort to all users of the streets. Today, several hundred million street lights have been installed worldwide and the technology is now close to ubiquitous in all major urban areas of the developed world. The street lighting infrastructure however often constitute major cost centres in terms of energy consumption and maintenance work, and also account for a significant share of the total greenhouse gas emissions that a city generates. In addition, static lighting schemes contribute to unnecessary light pollution, which could have harmful impacts on both humans and environmental ecosystems. Along with the developments in IoT communications and energy-efficient LED technology, smart street lighting systems that enable remote monitoring, control and management of street lighting networks have emerged to address these issues and allow authorities and utilities to achieve significant cost and energy savings while at the same time improving the societal benefits provided to citizens. In recent years, smart street lighting infrastructure has moreover emerged as a promising platform for the management of a variety of additional smart city devices.

Berg Insight estimates that the global installed base of individually controlled smart street lights amounted to 32.9 million units at the end of 2024. Growing at a CAGR of 20.9 percent, the number will reach 85.0 million in 2029. Europe is the leading adopter and today accounts for around 35 percent

of the global installed base. North America is the second largest market and also constitutes the fastest growing market. A variety of proprietary RF networking platforms together account for 57 percent of the individually controlled street lights while cellular and PLC communications are the second and third most common connectivity technologies respectively. At the end of 2024, the leading smart street lighting vendor was Signify with an installed base of nearly 5.8 million lighting controls, followed by US-based Itron and the Chinese vendor Fonda Technology.



Highlights from the report

Insights from 20 interviews with market-leading companies.

360-degree overview of smart street lighting technology.

Extensive coverage by region with in-depth market profiles of 27 countries.

Profiles of 45 key players in the smart street lighting market.

Reviews of vendor market shares and competitive dynamics.

Market forecasts by region and technology lasting until 2029.

Detailed analysis of the latest market and industry developments.

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Glossary

This report answers the following questions

- What are the main components of a smart street lighting solution?
- Which are the preferred communications technology options?
- How will the adoption of LPWA technologies such as LoRaWAN, NB-IoT and LTE-M evolve?
- What trends and developments affect the smart street lighting market?
- Which are the leading companies in the smart street lighting market?
- What is the outlook for smart street lighting vendors in the context of smart cities?
- How will the smart street lighting market evolve over the next five years?



About Berg Insight’s IoT market research

Our market reports offer comprehensive information and analysis on key IoT technologies and markets, addressing important concerns including total addressable market, market penetration, market shares, industry landscape, regulatory environment, market trends and forecasts. Our research portfolio today comprises more than 80 items, where each market report focuses on a specific vertical application area or cover horizontal themes. All market reports come with complementary data sets in Excel format that can be easily analysed and converted into tables and charts. We offer a range of different license options together with bundled packages and subscriptions to suit your specific needs.

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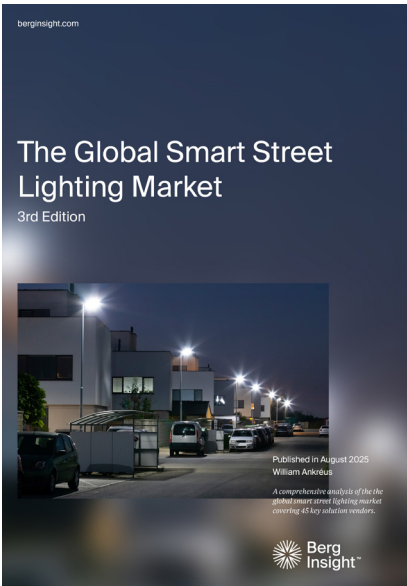
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Who should read this report?

The Global Smart Street Lighting Market is the foremost source of information about the adoption of smart and connected street lighting solutions. Whether you are a device vendor, service provider, telecom operator, utility, investor, consultant, or government agency, you will gain valuable insights from our in-depth research.



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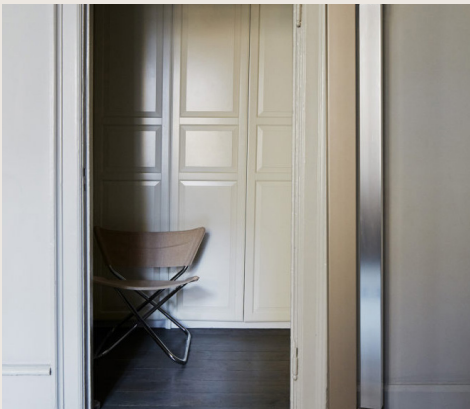


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