



The Global Smart Street Lighting Market

4th Edition

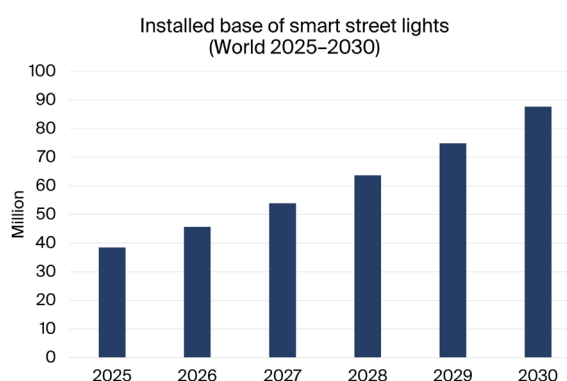
The Global Smart Street Lighting Market analyses the latest developments on this important smart cities application worldwide. This strategic research report from Berg Insight provides you with 160 pages of unique business intelligence including 5-year industry forecasts and expert commentary on which to base your business decisions.

What are the latest developments on the global smart street lighting market?

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 constitutes major cost centres in terms of energy consumption and maintenance work, and also accounts 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 38.5 million units at the end of 2025. Growing at a CAGR of 17.9 percent, the number will reach 87.6 million in 2030. Europe is the leading adopter and today accounts for around 36 percent

of the global installed base. North America is meanwhile the second largest market representing 29 percent of the global installed base. A variety of proprietary RF networking platforms together account for 52 percent of the individually controlled street lights while cellular, and public and private LoRa communications are the second and third most common connectivity technologies respectively. The majority of the LoRa deployments are leveraging LoRaWAN networks. At the end of 2025, the leading smart street lighting vendor was Signify with an installed base of about 6.2 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 37 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 2030.

Detailed analysis of the latest market and industry developments.

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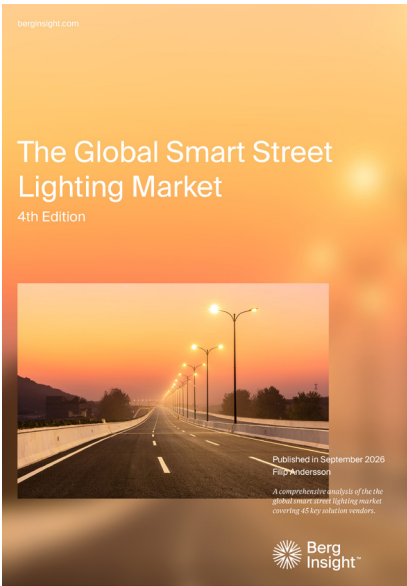
This report answers the following questions

- 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

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The Global Smart Street Lighting Market

PUBLISHED DATE	September 2026
AUTHOR	Filip Andersson

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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.

AUTHOR

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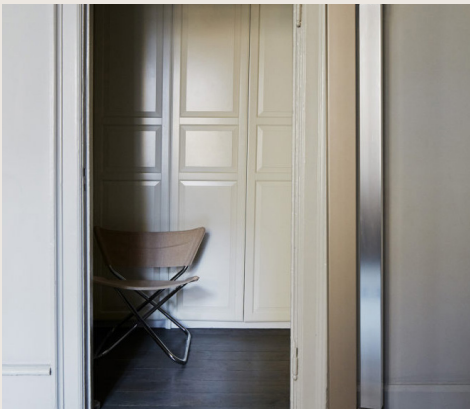


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