The Global Smart Street Lighting Market

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 70 pages of unique business intelligence including 5-year industry forecasts and expert commentary on which to base your business decisions.

Highlights from this report:

♦ **Insights** from 15 executive interviews with market-leading companies.

♦ **360-degree overview** of smart street lighting technology.

♦ **Profiles** of 33 key players in the global smart street lighting market.

♦ **Market forecasts** by region and technology lasting until 2025.

♦ **Detailed analysis** of the latest market and industry developments.

The global smart street lighting market to grow at a CAGR of 24.8 percent in the next 5 years

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 street. Today, several hundred million street lights have been installed globally 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 improve 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.

The global installed base of individually controlled smart street lights amounted to 16.2 million units at the end of 2020. Growing at a CAGR of 24.8 percent, the number will reach 48.8 million in 2025. Europe is the leading adopter and today accounts for around 35 percent of the global installed base. North America is the second largest market while China and the Rest of World region currently constitutes the fastest growing markets. A variety of proprietary RF networking platforms together account for two thirds of the individually controlled street lights while PLC and cellular communications are the second and third most common connectivity technologies respectively. At the end of 2020, the leading smart street lighting vendor was Telensa with an installed base of nearly 2.1 million lighting controls, followed by Signify and Sensus. Itron constitutes a global leader in the network segment.

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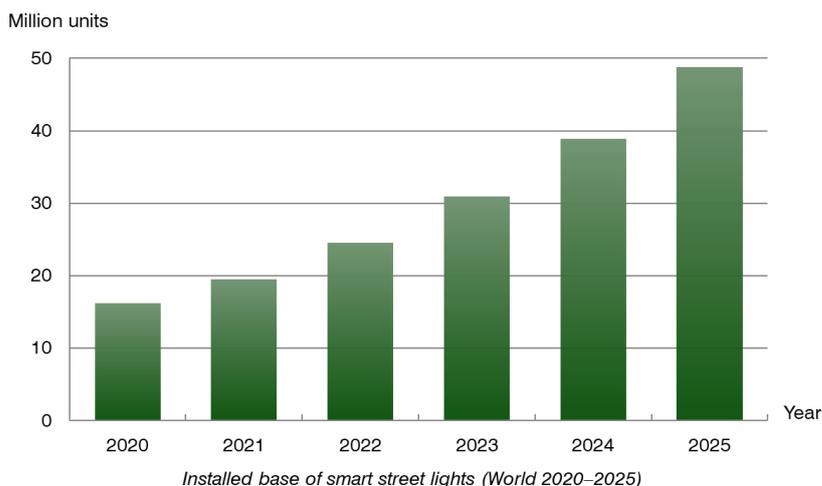
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The Global Smart Street Lighting Market is the foremost source of information about the adoption of smart and connected street lighting solutions. Whether you are a device vendor, service provider, telecom operator, utility, investor, consultant, or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

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Million units

Installed base of smart street lights (World 2020–2025)

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