

Smart Lighting - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-06-01 | 154 pages | Mordor Intelligence

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Report description:

Smart Lighting Market Analysis

The smart lighting market size is estimated at USD 22.98 billion in 2025 and is forecast to reach USD 56.63 billion by 2030, reflecting a vigorous 19.77% CAGR. This trajectory is underpinned by accelerating installations across residential, commercial, and industrial sites as regulators tighten energy-efficiency mandates and LED component costs decline. Building owners now view connected lighting as a strategic platform that lowers electricity bills, supports data-driven facility management, and enhances occupant experience. Vendors are integrating edge AI and cloud analytics to differentiate offerings, while governments expand net-zero codes that require advanced controls from project inception. Growth opportunities are especially pronounced in Asia-Pacific, where urbanization and policy incentives create scale advantages for manufacturers.

Global Smart Lighting Market Trends and Insights

Expanding Smart-Home Ecosystem Integration

Smart lighting systems now anchor whole-home automation platforms. The Matter standard removes proprietary barriers, letting devices from different brands communicate through unified apps. Philips Hue's tie-in with Samsung SmartThings synchronizes lighting, entertainment, and security under a single dashboard. Thread 1.4 will let border routers from varied vendors share a network, a milestone that strengthens consumer confidence in future-proof investments.

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Rapid LED Cost Reductions Improve ROI

Advances such as flip-chip packages deliver 20% higher efficacy while preserving 100,000-hour lifespans, lowering maintenance costs for high-bay sites. Chip-on-board strips add installation flexibility that is reshaping 2025 product portfolios. Combined with utility rebates, these cost declines are compressing payback periods to well under 18 months in many commercial retrofits, as shown by the AirPark North project saving USD 4,990 annually.

Cyber-Security Vulnerabilities in Wireless Protocols

Researchers showed that Zigbee Light Link devices can be hijacked through default keys, enabling lateral attacks on corporate networks. Check Point further demonstrated that compromised Philips Hue bulbs provide a beachhead into wider IT systems. Resulting remediation costs and liability risks deter rapid adoption in security-critical environments.

Other drivers and restraints analyzed in the detailed report include:

Utility-Funded Demand-Side-Management Incentives / National Net-Zero Building Codes (2025-30 Roll-Outs) / Fragmented Inter-Operability Standards /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

Control Systems are forecast to grow at 22.1% CAGR, while Smart Lamps and Fixtures retained a 64.9% share of the smart lighting market in 2024. Control platforms blend sensors, analytics, and cloud dashboards, delivering recurring software revenue and margins that beat commodity lamps. Acuity Brands' USD 1.215 billion QSC acquisition expanded its Intelligent Spaces Group and lifted segment revenue 14.5% in Q1 2025.

These systems use edge AI to predict occupancy patterns, driving energy savings that often exceed 50%. Industrial sites leverage the data stream to optimize workflow, highlighting a strategic pivot from hardware to insights. In contrast, Smart Lamps and Fixtures serve as the physical layer yet face price pressure as LED costs fall and volumes scale.

Retrofit projects commanded 52.1% of the smart lighting market size in 2024 due to a vast base of legacy luminaires. Utility incentives and short payback periods keep this segment attractive, as seen when the Australian Taxation Office cut lighting costs 94% via a retrofit.

New construction adoption is rising at a 21.3% CAGR because architects are embedding intelligent lighting from the blueprint stage. California's 2022 code requires advanced controls in all new builds. Ground-up installations also unlock functions such as Li-Fi and dense sensor grids that are cumbersome to retrofit later, tilting long-term value toward this segment.

Smart Lighting System Market is Segmented by Product Type (Control Systems, Smart Lamps and Fixture), Installation Type (New Construction, Retrofit), Connectivity Technology (Wi-Fi, Bluetooth, and More), End User (Residential, Commercial, and More), and by Geography. The Market Forecasts are Provided in Terms of Value (USD).

Geography Analysis

Europe preserved 26.4% of revenue in 2024 due to strict efficiency codes and mature automation demand. German retrofits such as the VIVARES Zigbee upgrade qualified for KfW276 subsidies, evidencing policy-driven momentum. Government grants and

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carbon targets sustain continued adoption, particularly in public buildings and premium office space.

Asia-Pacific is the fastest mover with a 19.8% CAGR. China implemented eight new lighting standards in 2024 that raise efficacy thresholds and push connected controls, spurring domestic manufacturers to scale smart product lines. India's Bright Road program aims to replace traditional bulbs in 186 cities, steering large-scale procurement toward networked LED systems. Regional trade fairs such as Hong Kong's Autumn Lighting Fair showcased 3,000 exhibitors focusing on smart-city lighting, underscoring robust supply-chain expansion

List of Companies Covered in this Report:

Signify N.V. / Acuity Brands Inc. / Hubbell Inc. / Eaton Corp. / Lutron Electronics Co. Inc. / Legrand SA / Cree Lighting (IDEAL Ind.) / Samsung Electronics Co. Ltd. / Xiaomi Corp. / Snap One LLC (Control4) / Savant Systems Inc. (GE Lighting) / Nanoleaf Canada Ltd. / Sengled Optoelectronics Co. / Wyze Labs Inc. / Feit Electric (LIFX) / Panasonic Corp. / Opplé Lighting / EGLO Leuchten GmbH / Zumtobel Group / Helvar /

Additional Benefits:

The market estimate (ME) sheet in Excel format /
3 months of analyst support /

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