

Smart LED Lighting Market Size, Share & Trends Analysis Report By Product (Wired, Wireless), By Technology (Hybrid, Dali, WiFi, Bluetooth, Zigbee), By Distribution Channel, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Smart LED Lighting Market Growth & Trends

The global smart LED lighting market size is expected to reach USD 68.47 billion by 2030, registering a CAGR of 14.9% from 2025 to 2030, according to a new report by Grand View Research, Inc. High demand for smart home appliances as a result of improved standard of living of working class professionals is expected to drive the market. Furthermore, the governments of various countries including U.S., U.K., Germany, and Spain are encouraging corporate houses and industries to use smart LED lighting as they can save up to 90% of energy.

Wireless product is expected to be the fastest growing segment, at a CAGR of 26.6% from 2019 to 2025. The usage of Internet of Things (IoT) based smart sensors for smart city applications has been increasing as a result of the advancement of wireless communication systems. Furthermore, product innovation in terms of introduction of voice recognized LED lights is expected to open new market avenues in near future.

Hybrid technology is expected to remain the leading segment in near future. The predominant use of smart LED lighting systems with hybrid technology in corporate houses, manufacturing industries, and government organizations on account of their easy availability from various distribution channels is expected to have a strong impact on

the market growth. This technology is also very helpful in greenhouse farming for providing adjustable light intensity and heat.

Online channel is projected to remain the key distribution channel over the next few years. Amazon, Flipkart, and AliExpress are some of the e-commerce portals offering a wide range of products. Various value-added services including cash-on-delivery, discounted prices, and coupon benefits offered by e-commerce portals are expected to prompt the buyers to use offline channels as a selling medium over the next eight years.

North America is anticipated to register the fastest CAGR of 28.4% from 2019 to 2025. Supportive government policies for energy conservation coupled with increasing per unit electricity cost in U.S. and Canada is expected to promote the product sales in the region over the forecast period.

Smart LED Lighting Market Report Highlights

The wired segment accounted for a dominant revenue share of 81.3% in the global market in 2024. Wired LED lighting systems typically involve permanent installations, making them suitable for both residential and commercial applications.

The Zigbee segment is expected to grow at the fastest CAGR during the forecast period. The technology has a unique feature known as mesh networking, which enables the creation of a network where each light acts as a repeater, passing data to the next device.

The offline segment accounted for a dominant revenue share in the global market in 2024. Offline sales primarily take place through physical retail stores, showrooms, and distributors.

North America smart LED lighting market accounted for a leading revenue share of 39.7% in the global market in 2024.

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