

Outdoor Smart Lighting Market – Global Industry Size, Share, Trends, Opportunity, and Forecast Segmented By Offering (Hardware, Software, Services), By Communication Technology (Wired, Wireless), By Installation Type (New Installations, Retrofit Installations), By Region & Competition, 2021-2031F

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Abstracts

The Global Outdoor Smart Lighting Market will grow from USD 18.19 Billion in 2025 to USD 25.72 Billion by 2031 at a 5.94% CAGR. The Global Outdoor Smart Lighting Market consists of intelligent lighting solutions that combine LED technology with sensors and connectivity to allow for remote management and adaptive control in exterior settings.

Key Market Drivers

Expansion of Smart City Initiatives and Urban Modernization Projects acts as a formidable catalyst for the Global Outdoor Smart Lighting Market. Municipalities are increasingly deploying networked streetlights to serve as the digital backbone for broader urban intelligence. By transforming static poles into dynamic data hubs, cities can support critical applications like traffic management and public safety analytics without requiring extensive new physical footprints. This shift allows governments to leverage existing vertical infrastructure to accelerate modernization roadmaps.

Key Market Challenges

The high initial capital required for installing networked outdoor lighting systems acts as a substantial barrier to market expansion. Implementing these intelligent solutions

involves costs beyond simple fixture replacement, including expenses for sensors, connectivity modules, and centralized management software. For municipalities and commercial entities with restricted budgets, this aggregated financial burden often necessitates the postponement of infrastructure upgrades or the selection of basic, non-connected alternatives.

Key Market Trends

The proliferation of interoperable open standards is reshaping the sector by dismantling proprietary vendor lock-in and enabling municipalities to build heterogeneous networks. Cities are increasingly mandating compliance with protocols like TALQ and mechanical interfaces such as Zhaga Book 18 to ensure that Central Management Systems (CMS) can seamlessly control field devices from multiple manufacturers. This technical convergence reduces investment risk and simplifies future infrastructure upgrades by allowing hardware and software from different suppliers to function within a unified ecosystem.

Key Market Players

Control4 Corp.

Crestron Electronics Inc.

Hubbell Incorporated

Lutron Electronics Co. Inc.

Inter IKEA Holding BV

Signify Holding

Wyze Labs Inc.

EGLO Leuchten GmbH

Savant Systems Inc.

Acuity Brands Inc.

Report Scope:

In this report, the Global Outdoor Smart Lighting Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Outdoor Smart Lighting Market, By Communication Technology:

Wired

Wireless

Outdoor Smart Lighting Market, By Installation Type:

New Installations

Retrofit Installations

Outdoor Smart Lighting Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Outdoor Smart Lighting Market.

Available Customizations:

Global Outdoor Smart Lighting Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following

Outdoor Smart Lighting Market – Global Industry Size, Share, Trends, Opportunity, and Forecast Segmented By Of...

customization options are available for the report:

Company Information

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