

Power Over Ethernet Lighting Market By Offering (Hardware, Software, Services), By Wattage (Up to 25 watt, Above 25 watt) By Application (Commercial, Residential, Industrial) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

Power Over Ethernet (POE) Lighting Market

The global power over ethernet (POE) lighting market was valued at \$0.3 billion in 2023 and is projected to reach \$1.4 billion by 2033, growing at a CAGR of 17.0% from 2024 to 2033.

POE lighting is an ingenious lighting solution that assimilates data transmission and power over a single Ethernet cable. The technology is an energy-efficient and streamlined approach to lighting systems where electrical power is delivered along with data signals for the illumination of LED luminaires. To inject power into the Ethernet cable, POE lighting depends upon central power sourcing equipment (PSE), which is conventionally integrated into network switches or POE-enabled lighting controllers. The advantages of POE lighting include low infrastructure costs, simplified installation, and enhanced flexibility in lighting design & control. These lighting solutions are a major contributor toward energy efficiency and safety as they usually operate on low-voltage DC power.

Surge in the deployment of POE lighting solutions in several commercial & industrial spaces, including offices, retail spaces, and hospitality, is a major driver for the market growth. Moreover, increase in awareness about the availability of intelligent and adaptive lighting is boosting the demand for POE lighting. POE lighting systems, integrated with smart sensors and controls, are acquiring traction from consumers as

they enable accurate management of lighting conditions and optimization of energy consumption, thereby enhancing the comfort of occupants.

However, POE lighting solutions are typically expensive as compared to the conventional lightings. This deters several end users from investing in them, thus restraining the development of the market. Furthermore, the scaling of PoE lighting deployments across large buildings or campuses requires intense planning as achieving the flexibility of accommodation for future expansions is a challenging task. On the contrary, constant innovations extending the applicability of the lighting solutions signify an opportunistic future for the power over ethernet (POE) lighting market. For instance, Ikan International, a provider of innovative broadcast solutions, recently introduced its cutting-edge POE lighting products which are expected to revolutionize the educational technology and audiovisual industries.

Segment Review

The power over ethernet (POE) lighting market is segmented into offering, wattage, applications, and region. By offering, the market is divided into hardware, software, and services. As per wattage, it is bifurcated into up to 25 watt and above 25 watt. Depending on application, it is categorized into commercial, residential, and industrial. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

By offering, the hardware segment is projected to maintain the lead position during the forecast period.

As per wattage, the up to 25 watt segment is expected to be the most lucrative during the forecast period.

Depending on application, the commercial segment is anticipated to be the highest shareholder by 2033.

Region wise, North America is predicted to be the largest revenue generator by 2033.

Competition Analysis

The major players operating in the power over ethernet (POE) lighting market are ALLNet GmbH, Axis Lighting, Cisco Systems, Inc., H.E. Williams, Inc, Waldmann Lighting, HUBBELL, Molex, Signify Holding, Wipro Lighting, and Innovative Lighting LLC. These players have adopted various key developmental strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the market.

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Consumer Buying Behavior Analysis

End user preferences and pain points

Investment Opportunities

Technology Trend Analysis

New Product Development/ Product Matrix of Key Players

Patient/epidemiology data at country, region, global level

Regulatory Guidelines

Additional company profiles with specific t%li%client's interest

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

SWOT Analysis

Key Market Segments

By Offering

Hardware

Software

Services

By Wattage

Up t%li%25 watt

Above 25 watt

By Application

Commercial

Residential

Industrial

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

ALLNet GmbH

Axis Lighting

Cisco Systems, Inc.

H.E. Williams, Inc

Waldmann Lighting

HUBBELL

Molex

Signify Holding

Wipr%li%Lighting

Innovative Lighting LLC

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