

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

Market Report | 2024-06-01 | 450 pages | Allied Market Research

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Report description:

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. Ther 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

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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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- Additional country or region analysis- market size and forecast
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Key Market Segments

By Offering

- Hardware

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- Software

- Services

By Wattage

- Up to 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

- Wipro Lighting

- Innovative Lighting LLC

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