Power Over Ethernet Lighting Market Report and Forecast 2025-2034

Market Report | 2025-08-12 | 155 pages | EMR Inc.

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Report description:

The global power over ethernet lighting industry reached a value of about USD 804.60 Million in 2024. The industry is further expected to grow at a CAGR of about 33.00% in the forecast period of 2025-2034 to reach a value of around USD 13934.66 Million by 2034.

Asia Pacific to Support the Power Over Ethernet Lighting Market

Asia Pacific is likely to be one of the fastest growing regions for the global power over ethernet lightning industry. The growth in the region can be primarily attributed to the development and urbanisation in the region. There is a high growth potential in countries such as China, Japan, and India. Growth in the region can be attributed to the increase in infrastructure development projects within the region, primarily in China, where smart lighting paves the way for infrastructure modernisation. The industries present in this area are concentrating on modernising their spaces. This is also likely to create opportunities for PoE lighting vendors. Enhancing IEEE standards is expected to further improve the market.

Power Over Ethernet Lighting: Market Segmentation

Power over ethernet, also referred to as PoE, is among the major additions to the long line of inventions in the field of lighting. It is a smart lighting solution which combines world-class LED luminaires with digital controls to produce an appropriate and desired lighting effect. The leading commercial lighting manufacturers claim that PoE is a modular lighting solution that promises increased productivity and increased safety in commercial spaces. It helps to build a smart and wired workspace and delivers perfect lighting to ensure maximum comfort.

Based on offering, the market can be divided into the following:

- Hardware
- Software
- Services

On the basis of wattage, the market can be categorised as follows:

- Up to 25W
- Greater than 25W
- Others

Based on applications, the industry can be divided into the following:

- Commercial
- Industrial
- Residential
- Others

The regional markets for power over ethernet lighting can be divided into:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Rising Infrastructure Industry Bolstering the Market Growth

The booming construction and infrastructure industry is driving the market growth. The growth of the market is primarily being driven by factors like rising population, urbanisation, and the rising disposable incomes of the consumers. Rising number of factories and industries is also propelling the industry growth. The key drivers for market growth are the rising penetration and lower costs of LEDs, the increased adoption of PoE lighting solutions in commercial and healthcare applications, and the thriving demand for cost-effective lighting solutions. Business opportunities include improving POE standards for higher capacity, speed and efficiency, the acceptance of smart and automated systems. The demand for smart workplaces is also likely to boost the market growth.

Key Industry Players in the Global Power Over Ethernet Lighting Market

The report gives a detailed analysis of the following key players in the global power over ethernet lighting market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Signify Holding
- Hubbell Incorporated
- Innovative Lighting, LLC
- Waldmann Lighting
- Microchip Technology Inc.
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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