

Airport Lighting Market to Hit \$1 Billion by 2030 | 7.5% CAGR Driven by LED Technology & Runway Expansion

▯▯ *Global Airport Lighting Industry Growing Steadily | Forecast Reveals Strong Demand for In-Pavement & LED Systems*

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According to Allied Market Research, the global [airport lighting market](#) size was valued at \$0.6 billion in 2023 and is projected to reach \$1.0 billion by 2030, growing at a robust CAGR of 7.5% from 2024 to 2030. Driven by expanding air travel, modernization of existing airports, and the shift towards energy-efficient LED technology, the airport lighting market is poised for steady growth across global regions.

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Airport lighting market projected to reach \$1.0B by 2030, driven by LED tech & runway expansion, growing at a CAGR of 7.5%. ▯▯▯”

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▯ Trends Shaping the Future of Airport Lighting

LED Lighting Dominance: Energy efficiency and long-term cost benefits are driving rapid adoption of [LED systems](#)

across airports worldwide.

Smart Lighting Controls: Integration with IoT systems for automated operation, energy monitoring, and predictive maintenance enhances operational efficiency.

Sustainability Focus: Growing environmental awareness is pushing airports towards eco-friendly lighting technologies.

Report Insights



Market was valued at
\$0.6 Billion
2023

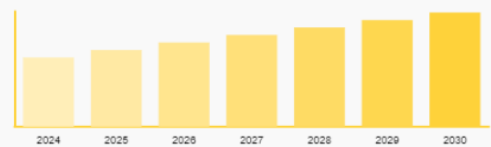


Projected to reach
\$1.0 Billion
2030



Growing at a CAGR
7.5% From
2024-2030

CAGR 7.5%



Airport Lighting Market
Report Code: A64462

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Modular & Scalable Solutions: Airports seek adaptable lighting systems that can scale with future expansion projects.

□ What is Airport Lighting?

Airport lighting systems are essential infrastructure components that ensure the safety, efficiency, and operational continuity of airports. These lighting solutions illuminate runways, taxiways, and aprons, guiding aircraft safely during takeoff, landing, and ground movement, especially under low visibility or night-time conditions.

From traditional lighting to advanced LED solutions, airport lighting systems are designed to enhance visibility while minimizing energy consumption and maintenance costs.

□ Key Market Growth Drivers

Growing Air Traffic & Airport Expansion: The steady rise in global air passenger traffic is encouraging governments and private players to invest in expanding and upgrading airport infrastructure, including advanced lighting systems.

Shift to Energy-Efficient LED Lighting: LED technology's lower power consumption, longer lifespan, and reduced maintenance requirements make it the preferred choice over conventional non-LED systems.

Focus on Safety & Night Operations: Strict regulations regarding airfield safety standards are driving adoption of reliable lighting solutions like PAPI (Precision Approach Path Indicator) and in-pavement runway lights.

Smart Airport Initiatives: Integration of smart lighting controls and IoT-based systems in modern airports is contributing to the market's technological evolution.

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□ Market Segmentation Insights

By Type:

Runway Lighting: Critical for guiding aircraft during landing and takeoff, runway lighting dominates the market due to increased construction and renovation of runways globally.

Taxiway Lighting: Facilitates safe movement of aircraft between runways, aprons, and terminals.

Apron Lighting Systems: Enhance operational safety and efficiency in aircraft parking and maintenance areas.

By Position:

In-Pavement Lighting: Leading segment, especially used on runways and taxiways, providing embedded guidance.

Elevated Lighting: Used where in-pavement installations aren't practical.

PAPI Systems: Ensure correct glide path angles during landing, improving pilot visibility and safety.

By Technology:

LED: Fastest-growing segment owing to energy efficiency, reduced operational costs, and environmental benefits.

Non-LED: Gradually declining due to replacement by LED-based systems.

By Region:

North America: Strong market share due to ongoing airport modernization projects in the [U.S. and Canada](#).

Europe: Significant growth attributed to sustainable airport initiatives and stringent aviation safety regulations.

Asia-Pacific: Fastest-growing region led by China, India, and Southeast Asia, driven by rising air traffic and greenfield airport developments.

LAMEA: Emerging markets like Brazil and Saudi Arabia investing in aviation infrastructure, supporting regional growth.

□ Key Industry Players

Prominent companies operating in the airport lighting industry include:

ABB

vosla GmbH

Avlite

HELLA GmbH & Co. KGaA

ADB SAFEGATE

Avionics Group

Honeywell International Inc

Carmanah

atg airports limited

Eaton

These key players are focusing on expanding their product portfolios, investing in LED technology, and developing smart lighting solutions to maintain competitiveness.

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□ Market Outlook: Bright Future for Airport Lighting Solutions

With the global focus on airport expansion, energy efficiency, and aviation safety, the airport lighting market presents substantial growth opportunities. Government investments in greenfield and brownfield airport projects, coupled with technological innovations in LED lighting and smart controls, will shape the future of this dynamic industry.

By 2030, the airport lighting market is projected to cross the \$1.0 billion mark, offering lucrative prospects for manufacturers and infrastructure solution providers worldwide.

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Solar Home Lighting Market

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David Correa

Allied Market Research

+ 1 800-792-5285

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