Aircraft Lighting Market 2024 : Competitive Analysis and Industry Forecast | At a 9.7% CAGR from 2024 to 2033

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WILMINGTON, DE, UNITED STATES, October 17, 2024 /EINPresswire.com/ -- The aircraft lighting market was valued at $2.7 billion in 2023, and is projected to reach $6.6 billion by 2033, growing at a CAGR of 9.7% from 2024 to 2033.

> On the basis of aircraft type, commercial aircraft segment attained the highest market share in 2023 in the aircraft lighting market."
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> *Allied Market Research*

The aircraft lighting market is a crucial segment of the aviation industry, focusing on the design, development, and implementation of various lighting systems for aircraft. These systems are essential for ensuring safety, improving visibility, enhancing the passenger experience, and reducing energy consumption.

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Market Segmentation:
By Type:

Interior Lighting:

Reading Lights: Individual lights for passengers in the cabin.
Ceiling and Wall Lights: General illumination for the interior cabin.
Floor Path Lighting: Critical for guiding passengers to exits in emergencies.
Lavatory Lights: Lighting within restrooms.
Mood and Decorative Lighting: Used to create an ambient environment in the cabin.
Exterior Lighting:

Landing and Taxi Lights: High-intensity lights used during landing and ground maneuvering.
Navigation Lights: Position lights on the wingtips and tail for indicating the aircraft's orientation.
Anti-Collision Lights: Strobe lights that make the aircraft more visible to other pilots.

Logo Lights: Illuminate the airline's logo on the tail or wingtips.
By Technology:

LED (Light Emitting Diode): LED lighting is increasingly popular due to its long life, low power consumption, and reduced maintenance costs.
Fluorescent: Though less common today, still used in some older aircraft.
Incandescent: Traditionally used in aircraft lighting but gradually being phased out due to lower efficiency.

By Application:

Commercial Aircraft: Includes large passenger planes such as narrow-body and wide-body aircraft.
Military Aircraft: Lighting solutions for fighter jets, cargo planes, and other military aircraft.
Business Jets: Premium lighting solutions designed for luxury and comfort.
Helicopters: Specialized lighting systems for both civil and military helicopters.

Market Trends and Growth Drivers:
Increased Focus on Energy Efficiency: The shift towards LED lighting technology is driven by its energy efficiency, longer lifespan, and reduced maintenance costs.
Enhanced Passenger Experience: Airlines are increasingly investing in mood and ambient lighting to improve passenger comfort and in-flight experience, especially on long-haul flights.
Growing Demand for New Aircraft: The rise in air travel, especially in emerging economies, is leading to an increased demand for new aircraft, which in turn fuels the need for advanced lighting systems.
Technological Advancements: Innovations like smart lighting, adaptive lighting systems, and integration with cabin management systems are gaining popularity.
Regulatory Compliance: Compliance with aviation safety standards and regulations regarding aircraft lighting is a critical factor influencing the market.

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Key Players in the Market:
Collins Aerospace (Raytheon Technologies Corporation)
Honeywell International Inc.
Safran S.A.
Astronics Corporation
Diehl Stiftung & Co. KG
Cobham plc
Luminator Technology Group
STG Aerospace Ltd.

Regional Insights:
North America: The largest market due to the presence of major aircraft manufacturers like Boeing and extensive air travel infrastructure.
Europe: Driven by the presence of Airbus and a strong focus on innovation and advanced technology in the aviation industry.
Asia-Pacific: Expected to witness significant growth due to increasing investments in aviation infrastructure, rising air traffic, and growing demand for new aircraft in countries like China and India.

Middle East & Africa: Growth is driven by expanding airline networks and the development of modern airports.

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On the basis of interior lighting, the wash lights segment is anticipated to exhibit significant growth in the near future.

On the basis of exterior lighting, the pilot light segment is anticipated to exhibit significant growth in future.

On the basis of aircraft type, the commercial aircraft segment is anticipated to exhibit significant growth in future.

On the basis of light type, the LED segment is anticipated to exhibit significant growth in future.

Market Players:
AeroLEDs
Astronics Corporation
Beadlight Limited
Bruce Aerospace
Cobham PLC
Heads Up Technologies
Honeywell International Inc.
Madelec Aero
Safran
STG Aerospace Limited

Recent Industry News

In June 2023, STG Aerospace launched a new flexible cabin lighting product designed to enhance the passenger experience and provide airlines with greater customization options. This innovative lighting solution offers adaptable and dynamic lighting configurations that can be easily adjusted to fit various cabin layouts and design themes. The flexible lighting product aims to improve cabin ambiance, increase passenger comfort, and support airlines in creating

distinctive in-flight environments that align with their branding and service standards.
In January 2022, Aeoroleds, LLC partnered with Sterling Helicopter. AeroLEDs, LLC is pleased to announce FAA-STC approval for the SunSpotTM 36 and 46 Series LED landing and taxi lights on various Sikorsky models, adding to their extensive list of FAA certifications. This approval, available exclusively through Sterling Helicopter, allows rotorcraft owners covered under this STC to immediately upgrade to the highest-performing LED technology available.
In August 2023, Honeywell Corporation, one of a pioneer airport equipment provider, announced the launch of its airfield ground lighting (AGL) manufacturing facility in Gurugram, India. The Honeywell range of low-wattage, LED based lighting solution helps airports improve operation and maintain compliance, while is also helping to decrease their energy use and adding to the longevity of the assets.

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