

Aircraft Cabin Lighting Market Trends to Witness Astonishing Growth; Projected to Reach USD 3.5 Billion by 2033

Major countries in each region are mapped according to their revenue contribution to the global aircraft cabin lighting market.

WILMINGTON, DE, UNITED STATES, March 5, 2025 /EINPresswire.com/ -- The global [Aircraft Cabin Lighting Market](#) Size was valued at \$1.8 billion in 2023, and is projected to reach \$3.5 billion by 2033, growing at a

“

The global Aircraft Cabin Lighting Market Size was valued at \$1.8 billion in 2023, and is projected to reach \$3.5 billion by 2033, growing at a CAGR of 7.3% from 2024 to 2033. ”

Allied Market Research

CAGR of 7.3% from 2024 to 2033. [Aircraft cabin lighting](#) refers to the system of lights installed within the passenger compartment of an [aircraft](#).

Key Strategies and Developments

In June 2023, Astronics Corporation launched the EmPower UltraLite G2 Power System solution. Utilizing a distributed zonal design, the UltraLite G2 system makes use of an 800W power supply that is more than 93% efficient as well

as system intelligence at the seat. This strategic product launch will enhance the market position of Astronics Corporation in the global aircraft cabin lighting market.

In August 2022, Heads Up Technologies, a leading manufacturer of lighting systems, cabin management systems, and flight deck safety products, acquired STG Aerospace, a leading manufacturer of proprietary aircraft cabin lighting products based in Cwmbran, UK, Miami, and Florida. This strategic acquisition will strengthen the market position of Heads-up Technologies in the global aircraft cabin lighting market.

In June 2023, STG Aerospace launched a flexible cabin lighting solution called “The Curve”. The solution consists of a four-inch section of controllable dynamic lighting and a tight bend radius at 30 millimeters convex and 50 millimeters concave.

For more information, please visit: <https://www.alliedmarketresearch.com/request-sample/2134>

Growing air passenger traffic and increasing advancements in technology are two significant drivers driving the growth of the global aircraft cabin lighting market. High investment costs and technology maintenance issues are two main factors acting as restraints for global aircraft cabin lighting market growth. Sustainability initiatives and growth in retrofit trends are two essential factors providing an opportunity for the growth of the global aircraft cabin lighting market.

Rapid economic growth and a rising middle-class population with disposable income in emerging markets such as Asia-Pacific and Latin America are increasing the growth of the global aircraft cabin lighting market. Furthermore, the integration of smart lighting systems that can adjust brightness and color temperature based on the time of day and flight phase is gaining popularity. These systems improve passenger experience by reducing jet lag and creating a more comfortable cabin environment.

Regional/ Country Market Outlook

In 2024, leading aircraft cabin lighting manufacturer STG Aerospace stated that Titan Airways, a renowned British charter airline, is the most recent airline to equip its Boeing 757 aircraft with STG's industry-leading liTeMood retrofit LED mood lighting system.

Airlines in North America are focusing on modernizing their fleets to improve fuel efficiency and passenger experience. This includes upgrading cabin interiors with advanced lighting systems that enhance comfort and reduce operational costs.

Innovations in LED and OLED lighting technology are prominent in Europe, offering energy efficiency, longer lifespans, and enhanced passenger comfort through mood lighting systems. For instance, a project was introduced in 2020. The project is called Repro-Light. The project aims to transform and convert the European industry to a circular economy by creating Luminaire of Future. The "Luminaire of the Future" adapts the light to its specific needs, allowing it to be the ideal brightness for activities at the ideal time of day.

Major airlines in China, India, and Southeast Asia, have placed substantial orders for new aircraft to meet growing demand and replace older models. This has increased and still continuously increasing the need and requirement for advanced cabin lighting solutions. On September 2023, Boeing's commercial market outlook forecasted that China will require 8, 560 new commercial planes through 2042. China's commercial airliner fleet will be more than double to nearly 9, 600 jets over the next 20 years. In addition, in February 2023, the Tata-run Air India group placed an order for 470 planes, comprising 250 Airbus aircraft and 220 American plane maker Boeing aircraft.

UK is developing lighting systems that are designed to mimic natural light cycles, helping reduce jet lag and enhance passenger well-being. Major players in the UK market include STG Aerospace, BAE Systems, Rolls-Royce (for integrated systems) , and various other specialized lighting companies.

Increasing demand for energy-efficient lighting solutions that reduce operational costs and environmental impact and growing demand for customizable lighting solutions that enhance airline branding and passenger experience are two main significant factors adding fuel to the growth of the global aircraft cabin lighting market in the German region. For instance, on 19th September 2023, the municipality of Erkelenz in North Rhine-Westphalia, Germany, has contracted with SPIE, an independent European leader in multi-technical services in the fields of energy and communications, to upgrade its public lighting. 4, 500 street lighting to LED as per 10-year deal.

The U.S. is facing high passenger traffic, both domestically and internationally. For instance, as per Statista source, in 2023, U.S. airlines recorded 862.8 million passengers on domestic and international flights. In reaction to this, U.S. airlines are expanding and modernizing their fleets to accommodate growing passenger numbers and replace aging aircraft.

□□□ □□□□□□□□ □□□□□□□□: <https://www.alliedmarketresearch.com/purchase-enquiry/2134>

Competitive Analysis

The major players operating in the market include Astronics Corporation (U.S.)

Heads Up Technologies (U.S.)

Honeywell International (U.S.)

Cobham Limited (UK)

Diehl Stiftung & Co KG (Germany)

Luminator Technology (U.S.)

United Technologies (U.S.)

Precise Flight (U.S.)

Rockwell Collins (U.S.)

Soderberg Manufacturing (U.S.)

STG Aerospace (UK)

Zodiac Aerospace (France)

Industry Trends

UK Government invested \$400 million in aerospace research and development projects. The new project includes developing high-performance engines, new wing designs, ultra-lightweight materials, energy-efficient electric components, and other new concepts to enhance innovation within the sector.

In December 2022, Chinese plane maker Commercial Aircraft Corporation of China, Ltd. (COMAC) and Boeing collaborated together on a sustainability project to develop and test ramie fiber-reinforced polylactic acid composite (RRP) used in manufacturing civil aircraft cabin components. In contrast to conventional polymers utilized in the production of civil airplane cabin components, the new RRP material is entirely biodegradable, lighter, and stronger. A small batch of RRP aircraft seat tables has been constructed by the project's research and development (R&D) team, the COMAC-Boeing Technology Center. These seat tables have passed technical

tests, including flammability and overload testing, and have been tested in real-world flight conditions in preparation for the 2022 Boeing eco-demonstrator program.

In October 2020, using ultraviolet light (UV) in conjunction with other cleaning techniques, LATAM Brasil is the first corporation in Latin America to develop an autonomous robot for airplane cleaning. This technology can eradicate up to 99.9% of viruses and germs from an aircraft. The robot prototype was entirely developed by LATAM, and the company's Maintenance Center (MRO) in São Carlos (SP) conducted the efficacy and final testing.

United Airlines became the first American airline to introduce Braille to airplane interiors in July 2023, making it easier for millions of passengers with visual impairments to independently navigate the cabin. Currently, the airline has installed Braille markers inside and outside the restrooms, as well as for individual rows and seat numbers, on around a dozen of its planes.

□□□□□□□ □□□□□□ □□ □□□□ □□ □□□□□□□□ □□□ □□□□□□ □□□□□□□□:
□□□□□ □□□□□□ □□□□□□ <https://www.alliedmarketresearch.com/drone-camera-market-A11099>
□□□□□□□□ □□□□□□ □□□□□□ <https://www.alliedmarketresearch.com/narcotics-scanner-market-A11099>
□□□□□□□□ □□□□□□ □□□□□ □□□□□□ <https://www.alliedmarketresearch.com/aircraft-window-frame-market-A31492>

David Correa
Allied Market Research
+18007925285 ext.
[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

[YouTube](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/791351475>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.