
Flexible Nuancia line a highlight at Astronics' AIX stand

By **Rick Lundstrom** on April, 12 2019 | Lighting



The four colors that can make an endless array of colors from Astronics' Nuancia LED lighting

Lighting solutions played a prominent role at this year's Aircraft Interiors Expo, with companies marketing to airlines seeking to personalize the cabin environment and differentiate their inflight brand.

At the [Astronics](#) stand, the East Aurora, New York company showed visitors its new Nuancia LED lights in the red, green, blue and white (RGBW) strips that provide flexible illumination options for aircraft seats and cabins.

With this system, aircraft manufacturers and airlines can program mood lighting with a choice of up to 16 million colors, with preset color scenarios, and present color changes.

“There is a significant increase in ambient lighting interest from airlines and aircraft OEMs, so to service our customers, we’ve taken our existing ultra-reliable lighting products and re-engineered them to provide the industry’s smallest bend radius and closest set LEDs for a flexible, consistent color experience,” said Fabrice Berthelot, President of Astronics PGA. “The possibilities for exciting new cabin lighting designs are immense.”

Nuancia is customizable in lengths from 100 to 2,500 millimeters and with LEDs placed in 50-millimeter increments, which reduces gaps between lights for a smooth, continuous color wash.

At 6 millimeters thick and with a 50-millimeter bend radius, Nuancia can illuminate the cabin environment in nearly any area. Installation can be done in straight or curved applications, via multiple mounting methods, to highlight the cabin without any hot spots. A dedicated lighting management system controls the strip lights to ensure smooth transitions between lighting phases for various airplane operations, such as takeoff, meal service, or inflight entertainment time.