Reliable LED Lighting Technology for Exterior Aircraft Applications
Advanced LED Lights – Light of Choice for Aircraft Customers

More airline operators, looking to increase operational efficiency and reduce costs, are outfitting their aircraft with Honeywell’s advanced LED (Light Emitting Diode) exterior aircraft lighting. The attributes of LED lighting are well-known – crisp lighting, energy efficiency, long lifetimes, low voltage requirements, compact size, fast on/off time and shock resistance. The longer life of the LED, plus the ease of installation, keep aircraft flying with less maintenance. With improved reliability that far surpasses older technology, Honeywell’s advanced LED lighting solutions result in fewer delays in flight operations and lower operating costs.

Honeywell’s LED lighting solutions have helped airlines reduce lifecycle costs by 40 to 80 percent over current technology while delivering up to a 70 percent savings in maintenance costs as a result of fewer lamp changes, lower spares inventory and labor costs. These savings are made possible because the LED lights are designed to last 10,000 - 20,000 hours (5 - 8 years) versus 500 - 3000 hours for most non-LED technology.

Honeywell’s LED wingtip navigation lighting lasts up to 40 times longer than halogen technology, and can save airline operators up to US$30,000 per aircraft over traditional lighting solutions.

Honeywell’s LED lighting solutions promote safety by ensuring light output is always bright enough to be compliant with Federal Aviation Regulations (FAR). Unlike some other LED solutions, Honeywell’s advanced technology accurately determines the life of the light to support continued airworthiness instead of letting the light dim below standards, which allows operators to proactively plan maintenance.

The benefits are so significant that Honeywell is becoming a supplier of choice. The Boeing 787 is equipped with the most advanced suite of Honeywell LED exterior lighting products flying today. And Honeywell’s LED wingtip navigation lighting – the latest technology from Honeywell – is now standard on the new production Airbus A320 family of aircraft, comprising the A318, A319, A320 and A321. Retrofit LED wingtip lights for the A320 family, which require no aircraft modification for installation, are also available.

Look to the Most Experienced Aircraft Lighting Leader

For the past 85 years, Honeywell has designed and manufactured lighting products and complete lighting systems for virtually every configuration of fixed-wing and rotary aircraft. Honeywell’s LED technology has been used for commercial and military planes for more than a decade.
In today's competitive marketplace, airline operators need the advantage of technology leadership – Honeywell technology leadership. Honeywell is constantly expanding the frontiers of design and manufacturing technology to create the finest lighting products available. Honeywell is working to develop an even broader suite of LED products, using its experience and ingenuity on the current 787 line of lighting products.

With a focus on efficient operation and simplified maintenance, Honeywell LED lighting products are cost effective as either a stand-alone solution or as part of an integrated system. To learn more, contact Honeywell today.

Honeywell has been developing LED applications for more than a decade and currently is developing a fourth generation of exterior LED lighting products based on mature LED technology. All new Honeywell products are benefiting from this development.

Honeywell offers a complete suite of exterior lighting products for aircraft:

- Position lights
- Anti-collision lights
- Landing, taxi and runway turnoff lights
- Logo lights
- Wing and engine inspection lights
- Cargo and service lighting
- Emergency lights