



Installed Platforms

- | | |
|----------------------|-------------|
| Leonardo MW | Bell |
| Airbus Helicopters | Bell-Boeing |
| Boeing | Sikorsky |
| Leonardo Helicopters | Kaman |

Astronics Luminescent Systems Inc. (LSI) is the proven supplier of lighting systems for aircraft cockpits, cabins, and exteriors. With products ranging from avionics panels to flood lights, ambient lights to formation lights, Astronics LSI collaborates with customers to create reliable, optimal solutions. Forerunners in the industry with the innovative use of LED, HID, and electroluminescent lighting technologies, LSI products today provide illumination and safety for commercial and military aircraft worldwide.

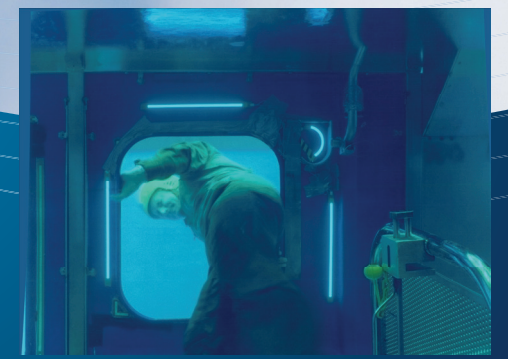
Astronics LSI is a subsidiary of Astronics Corporation (NASDAQ: ATRO), a global provider of innovative technologies for mission-critical systems.



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HEEL Helicopter Emergency Egress Lighting System

LIGHTING & SAFETY

EMERGENCY EGRESS LIGHTING FOR HELICOPTERS

When seconds mean everything, choose Astronics emergency egress lighting. In case of ditching or controlled emergency landing over water, smoke and blackout conditions complicate emergency egress. The Helicopter Emergency Egress Lighting (HEEL) system from Astronics provides powerful visual identification of emergency exits.

The Most Versatile Emergency Egress Lighting System

The Astronics LSI HEEL System will activate automatically due to loss of aircraft power, submersion in salt or fresh water, hard impact, inversion or via manual crew switch operation. Following a ditching or crash, the system identifies the emergency escape hatches, push-out windows and other emergency exits by illuminating their perimeter as required by MIL-PRF-85676(AS), JAROPS 3.837(a)(4) and CAA Airworthiness Notice 27. High reliability is ensured with solid state electroluminescent lamps and durable construction.

Flexible. Reliable. Fully Compliant.

Power Requirement

Standard aircraft supplied 28VDC power for trickle charging battery packs, or stand-alone disposable battery packs.

Solid-State Lighting

HEEL Lights are solid-state light sources that are very thin (less than 2mm) and extremely easy to install around the perimeter of the emergency exits. A small marker light indicates the position of the door handle or pull straps.

Automatic and Manual Activation

Activated by water contact, loss of power, inversion, impact or via user control switches in the cockpit or crew areas.

Configurable Shapes and Sizes

Choose from a variety of standard lighting shapes and sizes to configure a compliant egress lighting design.

Custom Integration Solutions

For new platforms, custom solutions with flush mounted lights tailored to the contour of the window reveal plus matching the interior color scheme are available to enable an esthetically pleasing integration.

30,000+ Hour Reliability

All HEEL lights have a 30,000+ hour mean time to failure (MTBF) rating.

Battery Backup

To operate the system during a power loss event, each power supply includes a battery with a usable life of more than four years (with 18 month checks). A disposable stand-alone battery pack is available for sliding doors.

Optional NVIS Compatibility

NVIS compatible configurations are available for operation with night vision goggles.

Environmentally Qualified

All Astronics LSI components are RTCADO/160 qualified.



HEEL System Components & Design

7452-1 Gasket



5776-1 Rechargeable



8082-3 Mounting Bracket



6955 HEEL Strip Light



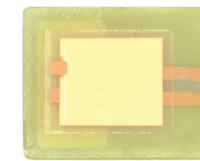
8746-1 Immersion Sensor



6956 HEEL Strip Light



7448 HEEL Jettison Handle Light



6957 HEEL Strip Light



8080-2 PSU, Sliding Door



6958 Power Supply Unit



62228 Impact Sensor



8162-2 External & Disposable Battery Pack

