

Escape Path Marking

LED Seat Mounted EPM System

The Astronics DME LED Escape Path Marking (EPM) System provides floor lighting and exit door identification to passengers and crew evacuating an aircraft in limited visibility. The EPM system is well suited for new aircraft installations or to retrofit existing incandescent floor track or seat mounted systems.

Product Information

Each EPM system installation consists of seat-mounted white or red LED Aisle Markers, LED Exit Signs for doors and escape hatches, independent electronic power supplies, and interconnecting wire harnesses.

To accommodate retrofit installations where the existing battery power supplies are left in place, the LED Aisle Markers and LED Exit Signs are designed to accept an input voltage range of 6 to 28 VDC with modification. This regulation feature allows direct compatibility with most DC voltage systems and prevents wrong voltage installation errors in mixed system fleets.

The Astronics DME EPM System complies with FAR 25.812, FAR 25.853, and FAR 25.562. The system also holds FAA approvals on various aircraft models and configurations.

System Components

- The Electronic Control Modules (ECM) provide independent power to illuminate the lighting elements, monitor and activate the system, and maintain the charge readiness of the batteries.
- Custom wiring harness assemblies interconnect the EPM system to the aircraft electrical buss providing system and LED lighting element activation. These assemblies are specifically designed to fit each aircraft model and interior to minimize system weight and installation time.
- LED Aisle Markers in white or red are installed on the inboard side of selected aisle seats to provide a well-illuminated path to the exit doors and hatches. The LED Aisle Markers are flush mounted to the seat structure.
- White or red LED Exit Signs are installed adjacent to all exit doors and hatches to provide evacuees with both illumination and visual cues for exiting the aircraft.



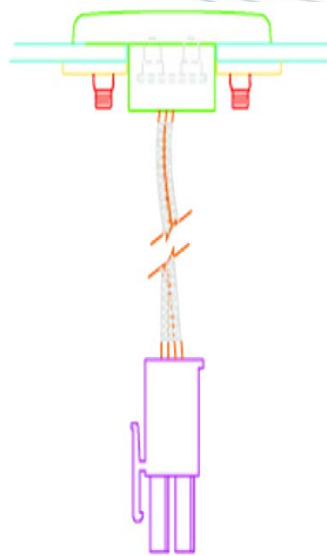
KEY BENEFITS

- Long life LED light sources
- Easy retrofit of existing floor mounted systems
- Flush mounted aisle markers to eliminate damage from luggage and carts
- LED lighting with multi-voltage input capability (6 to 28 VDC)
- Full installation and certification support available

ORDERING INFO

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Electronic Control Modules

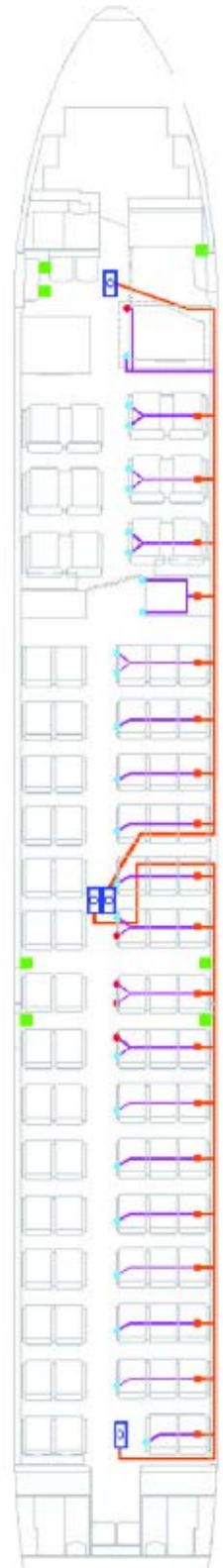


LED Flush Mounted Aisle Markers



Exit Sign

ESCAPE PATH MARKING LEGEND	
SYMBOL	DESCRIPTION
●	ONE WHITE LIGHT
● ●	TWO WHITE LIGHTS
● ●	ONE RED LIGHT AND ONE WHITE LIGHT
● ●	TWO RED LIGHTS
□	CONTROL MODULE
■	EXIT LIGHT



Actual product specifications may have changed since the printing of this datasheet. Specifications are not binding. Confirm current specifications at time of order.