

AXON

L-862E(L) FAA Runway Threshold, End, Threshold / End LED Elevated Uni & Bi-Directional



Compliance with Standards (current version)

FAA AC 150/5345-46 and FAA Engineering Brief No. 67, ETL certified

CE

Uses

FAA

- L-862E(L) Runway Threshold
- L-862E(L) Runway Threshold / End
- L-862E(L) Runway End

Features and Benefits

Efficiency

- Infra Red for EFVS / NVG compatibility. Highly configurable to suit operational requirement.
- LED is PWM-modulated at 400 Hz to optimize performance and eliminate human flicker perception, regardless of brightness levels.
- Lights are fully dimmable and conform to FAA EB 67D and ICAO Annex 14 dimming curve
- Dedicated aiming device allows easy leveling and azimuth aiming of the light.
- Three screws allow for 4° leveling adjustment of the fixture after installation.

Sustainability

- Identifiable daytime recognition, with large surface area coloured optical module surround.
- Modular mechanical design consolidates and strengthens product components for faster, easier maintenance and reconfiguration.
- The fail-open option enables compatibility with both legacy and advanced control/monitoring systems.
- Failed-LED Detection as required by Engineering Brief 67D.
- The product meets the lightning protection criteria of ANSI/IEEE C62.41-1991 and FAA Eng. Brief 67's Location Category C2 requirements, which outlines a 1.2/50 - 8/20 μ s combination wave, peaking at 10,000 V and 5,000 A.

Safety

- Identifiable daytime recognition, with large surface area coloured optical module surround.
- Modular mechanical design consolidates and strengthens product components for faster, easier maintenance and reconfiguration.
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Power Supply

- Non-Monitored Power only
- Monitored — integrated Fail-open technology

Ordering Code

Application

RT = L-862E (L) Runway Threshold
/ Threshold End
RN= L-862E (L) Runway End

Standards

2 = FAA

Market Specific

0 = None
1 = Buy American Preference (BAP)

Lens Type

S = Glass
L = UV Resistant Polycarbonate

Cable & Connector

2 = 1 x Style 6 2-Pole Plug ¹
4 = 1 x Style 1 2-Pole Plug ²

Color - Side 1 Left

R = Red
F = F-Green

Color - Side 2 Right

R = Red
N = None(obscured)

Toe-In

N= No Toe-In
L = Left Toe-In
R = Right Toe-In

Fixture Height

0 = No Mounting – light head only
1 = <350mm NO COUPLING
2 = 14" OAH NO COUPLING
3 = 20" OAH NO COUPLING
4 = 24" OAH NO COUPLING
5 = 30" OAH NO COUPLING

Power Supply

S = Current Driven 50/60 Hz no monitoring
M = Current Driven 50/60 Hz with monitoring

Options

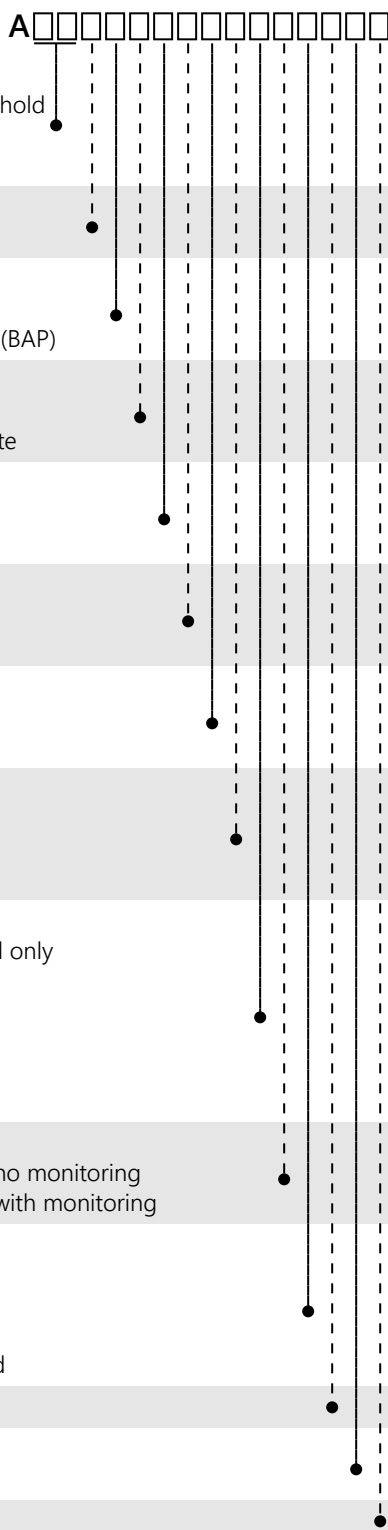
0 = None
1 = Arctic Kit
3 = Near Infra Red
4 = Arctic Kit & Near Infra Red

Advanced Connectivity = 0

Omni Directional

0 = No Circling Guidance

Version Control = 1

¹Individual Wires with Separate Earth²Jacketed SO 2 Core Cable with Separate Earth

Toe-in Coding

Left Toe-in Right Toe-in



Toe-in determined by standing on top of the light fixture looking in the direction of the Threshold beam.

Maintenance and Installation

The light is made of an aluminum body, with mounting stem and frangible coupling, with three screws to allow for 4° leveling adjustment of the fixture after installation.

Operating Conditions

Operating temperature	-60 °C to +55 °C / -76 °F to +131 °F
Storage temperature	-60 °C to +80 °C / -76 °F to +176 °F
Humidity	Up to 100%



Dimensions and Weight

Dimensions	TBC	TBC
Weight	Min 2.7 kg / 6 lb (8 in)	TBC

ANNEX

FAA Runway Threshold, End, Threshold / End Without Arctic Kit (Heater)

Fixture type	Fixture load	Isolation transformer		CCR load
		Wattage	Load	
L-862(L) Runway Threshold	19 VA			
L-862E(L) Runway Threshold / Threshold End	24 VA			
L-862E(L) Runway End	18 VA			

Additional Overhead VA per Function

Fixture type	Additional fixture VA
Arctic Kit	5 VA
Infra Red	1.5 VA

For more information about the product, including manuals and certifications, please see the Product Center on the ADB SAFEGATE website: www.adbsafegate.com.