AXON

L-862(L) Runway Edge

LED Elevated, Omnidirectional

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Compliance with Standards (current version)

FAA	AC 150/5345-46 and FAA Engineering Brief No. 67, ETL certified
ICAO	Annex 14, Volume 1
NATO	STANAG 3316
IEC	61827
EASA	CS-ADR-DSN
STAC	PRO/STAC/SE/ENIS/600S
UK	CAP 168
UFC	3-535-01
Canada	TP 312
Australia	MOS 139

CE

Uses

ICAO

- Runway Edge

FAA

- L - 862(L) Runway Edge

Features and Benefits

Efficiency

- Omnidirectional beam and 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

- Independent Product Carbon Footprint calculation to support in product lifecycle analysis.
- Modular housing maximizes parts commonality and enables midlife upgrades .
- Options for either glass or UV-resistant polycarbonate outer lens.
- A single fixture family covers all elevated approach, runway and stop bar applications.
- IP68 & IP69K rated enclosure designed for harsh environments; all fastenings are stainless steel.
- This product is a direct replacement for ADB Safegate LED elevated fixtures, thanks to its mechanical and photometric backwards compatibility.
- Finishing: Stainless steel hardware, aluminum body, phosphated aviation yellow electrostatic polyester powder coating.
- Based on the LED manufacturer's ratings & calculations, we guarantee a LED life expectancy L70 higher than 50,000 operation hours.
- Aerodynamic and lightweight weight designed to withstand heaviest jet blast.

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.
- 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 µs combination wave, peaking at 10,000 V and 5,000 A.

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Ordering Code

A□□□□□□□□□□□□□□□□

Application
RE = Runway Edge L-862(L)

Standards
1 = ICAO & FAA

Market Specific
0 = None
1 = Buy American Preference (BAP)
4 = German MIL 7-step FO

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
W= White
Y = Yellow
R = Red
F = F-Green

Color - Side 2 Right
W= White
Y = Yellow
R = Red
G= F-Green
N= None (obscured)

Toe-In
L = Left Side Toe-In
R = Right Side Toe-In
C = Both Sides 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
1 = Dimmable Circling Guidance
2 = Constant Intensity Circling Guidance

Version Control = 1

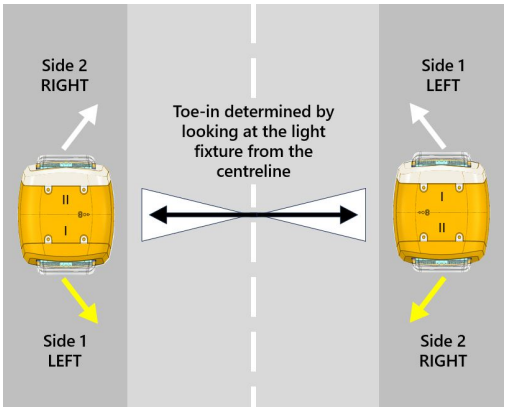
[1] 2 Individual Wires with Separate Earth

[2] Jacketed SO 2 Core Cable with Separate Earth

Power Supply

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

Toe-in Coding



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

Elevated Runway Edge Fixtures Without Arctic Kit (Heater)

Fixture type	Fixture load	Isolation transformer		CCR load
		Wattage	Load	
Runway Edge White / White	24 VA			
Runway Edge White / Yellow	22 VA			
Runway Edge White / Red	21 VA			
Runway Edge Yellow / Red	18 VA			
Runway Edge White / None	15 VA			
Runway Edge Yellow / None	13 VA			
Runway Edge White / Green (FAA Displaced Threshold)	19 VA			
Runway Edge Green / Yellow (FAA Displaced Threshold)	17 VA			

Fixture Type	Additional Fixture VA
Circling Guidance	4 VA / 8 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.

Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.