AXON

L-862(L) Runway Edge
LED Elevated, Uni & Bi-directional

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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 colored 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

Application	Standards	Market Specific	Lens Type	Toe-In	Color - Side 1 Left	Color – Side 2 Right	Omni Directional	Power Supply	Cable & Connector	Fixture Height	Coupling	Option 2	Advanced Connectivity	Refurbished	Version Control
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

Lens Type
G = Glass
P = UV Resistant Polycarbonate

Toe-In
L = Side 1 – Left Toe-In
R = Side 2 – Right Toe-In
C = Both sides with Toe-In

Color - Side 1 Left
W = White
Y = Yellow
R = Red
F = F-Green
N = None (obscured)

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

Omni Directional
0 = No Circling Guidance
1 = Dimmable Circling Guidance
2 = Constant Intensity Circling Guidance

Power Supply
S = No monitoring
M = With Monitoring

Cable & Connector
1 = 1 x Style 6 2-Pole Plug, 2 Individual Wires with Separate Earth for Internal Routing
2 = 1 x Style 1 2-Pole Plug, Jacketed SO 2 Core Cable with Separate Earth for External Routing

Fixture Height
B = <350mm
C = 14" OAH
D = 20" OAH
E = 24" OAH
F = 30" OAH

Coupling
B = 2" 11TPI (BSP) Coupling No Base Plate
C = 2" 11.5TPI (NPS) Coupling No Base Plate
D = 1.5" 12TPI Coupling No Base Plate
E = 2" 11TPI (BSP) Flush Break Coupling No Base Plate
F = 2" 11.5TPI (NPS) Flush Break Coupling No Base Plate

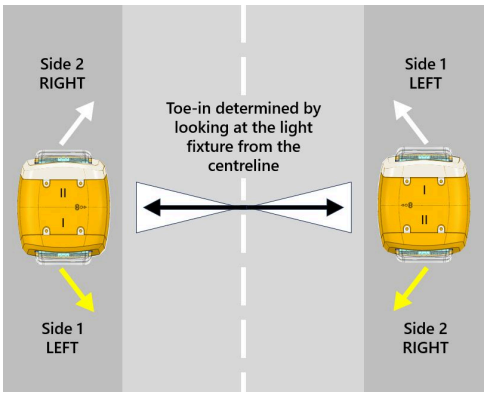
Option 2
0 = None
1 = Smart Arctic Kit
3 = Near Infra Red
4 = with Smart Arctic Kit & Near Infra Red

Advanced Connectivity
0 = 0

Refurbished
0 = 0

Version Control
1 = 1

Toe-in Coding



Power Supply

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

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.

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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 Approach Fixture

Fixture type	Fixture load	Isolation transformer		CCR load
		Wattage	Load	
Runway Edge White / White	24 VA	20 W / 25 W	7 VA	31 VA
Runway Edge White / Yellow	21 VA	20 W / 25 W	6 VA	27 VA
Runway Edge White / Red	20 VA	20 W / 25 W	6 VA	26 VA
Runway Edge Yellow / Red	18 VA	20 W / 25 W	5 VA	23 VA
Runway Edge White / None	15 VA	10 W / 15 W	5 VA	20 VA
Runway Edge Yellow / None	13 VA	10 W / 15 W	5 VA	18 VA
Runway Edge White / Green (FAA Displaced Threshold)	18 VA	20 W / 25 W	5 VA	23 VA
Runway Edge Green / Yellow (FAA Displaced Threshold)	16 VA	20 W / 25 W	5 VA	21 VA

Additional Overhead VA per Function

Fixture Type	Additional Fixture VA Uni-/Bi-directional
Arctic Kit	5 VA / 10 VA
Infra Red	3 VA / 6 VA
Circling Guidance	5 VA / 9 VA

Note:

- See manual 5055 for other power supplies.
- Fail-open fixtures:
  - The maximum rating for the isolation transformer is 150 W.
- Additional voltage loss when longer secondary cables are used is not included in above table; these additional losses may result in a larger size isolation transformer requirement and must be factored into the circuit load calculation.
- Additional voltage loss in primary cable is not included in above table; this additional loss will result in a higher CCR load and must be factored into the circuit load calculation.
- Efficiency of the isolation transformer depends on the manufacturer of the transformer.

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