AXON EQ

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



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

- AXON EQ features ILCMS remote and onboard environmental sensors for the LINC 360 system, enabling high data capacity and radio degradation resistance. This results in top-notch communication platform for control, status, and health/usage monitoring.
- AXON EQ can be upgraded with plug-in modules and configured via LINC 360 or CORTEX CLOUD for additional features.
- AXON EQ version available with optional Cellular monitoring module.
- 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 for enhanced functionality instead of requiring a new product.
- 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.
- SMART Arctic kit with option of heater output down to 4.1A.
- 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.



AXON EQ

Ordering Code Δ Application Т RE = Runway Edge L-862(L) Standards 1 = ICAO & FAA **Market Specific** Т 0 = None 1 = Buy American Preference (BAP) 4 = German MIL 7-step FO Lens Type S = Glass L = UV Resistant Polycarbonate Т Т Cable & Connector 2 = 1 x Style 6 2-Pole Plug¹ $4 = 1 \times \text{Style } 1 \text{ 2-Pole Plug}^2$ Color - Side 1 Left Т 1 W⊨ White Y = Yellow R = Red F = F-Green Т 1 Т Color - Side 2 Right W= White Y = Yellow R = Red G=F-Green 1 N= None (obscured) Toe-In Т 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** R = Current Driven 50/60Hz Linc360 / EQ Sensors & Advanced Connectivity Ready Options T 0 = None 2 = Smart Arctic Kit 3 = Near Infra Red 5 = with Smart 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

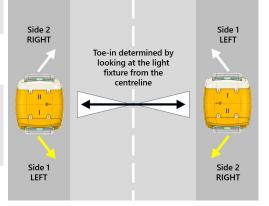
¹ 2 Individual Wires with Separate Earth

² Jacketed SO 2 Core Cable with Separate Earth

Power Supply

- AXON EQ with integrated ILCMS with OFDM technology for use with LINC 360 system
- AXON EQ Optional Cellular monitoring, future upgradable and feature configurable

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 | ТВС | 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 |
|--|--------------|-----------------------|------|----------|
| Fixture type | | 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 |
|-------------------|------------------------------|
| SMART Arctic Kit | 5 VA |
| Circling Guidance | 4 VA / 8 VA |
| Infra Red | 1.5 VA |
| Cellular Module | 5 VA (4G/5G Wireless Module) |

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

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