AXON EQ

L- 862S(L), ICAO Stop Bar
LED ELevated, Unidirectional

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

Uses

ICAO

• Stop Bar

FAA

• L - 862S(L) Stop Bar

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   A D E ▢▢▢▢▢▢▢▢▢▢▢▢▢▢

Application
SB = Stop Bar L-862S(L)

Standards
3 = ICAO

Market Specific
0 = None

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

Color - Side 2 Right
N= None(obscured)

Toe-In
N= No 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 and Monitoring
R = EQ & Advanced Connectivity Ready

Arctic Kit
0 = None
2 = Smart Arctic Kit
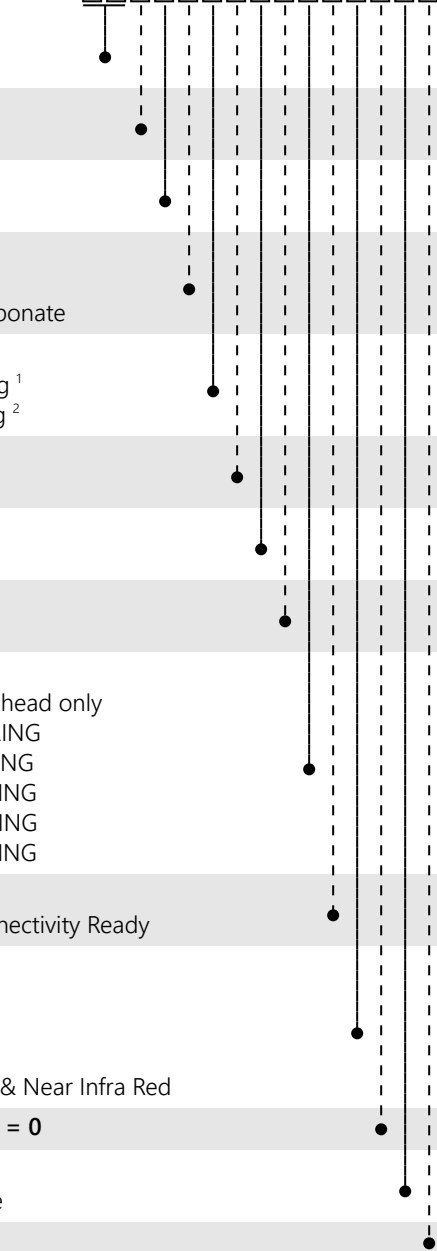3 = Near Infra Red
5 = with Smart Arctic Kit & Near Infra Red

Advanced Connectivity = 0

Omni Directional
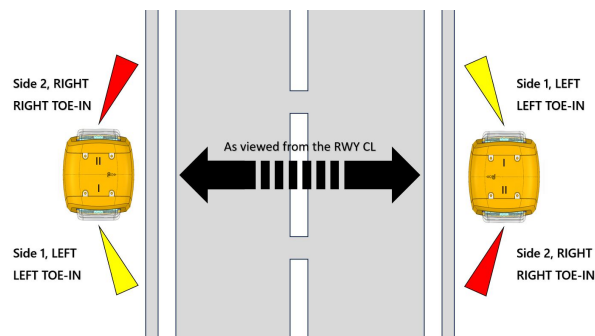0 = No Circling Guidance

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 a body, with an approach mount for 60mm mast or frangible coupling for ground mounting.

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%

ADB SAFEGATE

Dimensions and Weight

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

ANNEX

Elevated Stop Bar Fixtures Without Arctic Kit (Heater)

Fixture type	Fixture load	Isolation transformer		CCR load
		Wattage	**Load**	
Stop Bar	11 VA			

Additional Overhead VA per Function

Fixture type	Additional fixture VA
SMART Arctic Kit	5 VA
Infra Red	1.5 VA
Cellular Module	5 VA (4G 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.