

# AXON EQ

Approach Centerline, Siderow  
LED Elevated, Unidirectional



## Compliance with Standards (current version)

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

## Uses

### ICAO & FAA

- Approach Centerline & Cross Bar
- Approach Siderow

## 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.
- Option of low intensity omnidirectional approach.
- 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.
- Central barrel screw with two opposing locking screws ensure easy and stable leveling.

### 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  $\mu$ s combination wave, peaking at 10,000 V and 5,000 A.





## Dimensions and Weight

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

## ANNEX

### Elevated Approach Fixtures Without Arctic Kit (Heater)

Fixture type	Fixture load	Isolation transformer		CCR load
		Wattage	Load	
Approach Centreline / Cross Bar	29 VA			
Approach Side Row	26 VA			

### Additional Overhead VA per Function

Fixture type	Additional fixture VA
SMART Arctic Kit	5 VA
Circling Guidance - White	4 VA / 8 VA
Circling Guidance – Red	3 VA / 6 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](http://www.adbsafegate.com).