AXON

ICAO Runway Threshold, Threshold/End and Runway End
LED Elevated Uni & Bi-Directional



Compliance with Standards (current version)

ICAO Annex 14, Volume 1

NATO STANAG 3316

IEC 61827

EASA CS-ADR-DSN

STAC PRO/STAC/SE/ENIS/600S

UK CAP 168
Canada TP 312
Australia MOS 139

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Uses

ICAO

- · Runway Threshold
- · Runway Threshold Wingbar
- Runway Threshold / End
- Runway End

Features and Benefits

Efficiency

- 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.

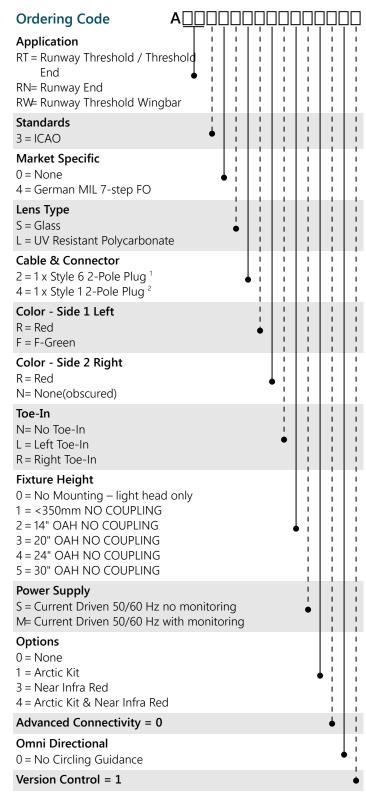
- A single fixture family covers all elevated approach, runway and stop bar applications.
- IP68 & IP69K rated enclosure designed for harsh environments; all fastenings are stainless steel.
- This product is a direct replacement for ADB Safegate LED elevated fixtures, thanks to its mechanical and photometric 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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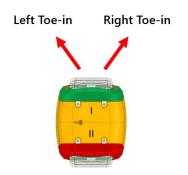
¹Individual Wires with Separate Earth

²Jacketed SO 2 Core Cable with Separate Earth

Power Supply

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

Toe-in Coding



Toe-in determined by standing on top of the light fixture looking in the direction of the Threshold beam.

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 $-60 \,^{\circ}\text{C}$ to $+55 \,^{\circ}\text{C}$ / $-76 \,^{\circ}\text{F}$ to $+131 \,^{\circ}\text{F}$ Storage temperature $-60 \,^{\circ}\text{C}$ to $+80 \,^{\circ}\text{C}$ / $-76 \,^{\circ}\text{F}$ to $+176 \,^{\circ}\text{F}$ Humidity Up to 100%





Dimensions and Weight

 Dimensions
 TBC
 TBC

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

ANNEX

ICAO Runway Threshold, Threshold/End, Wingbar, End Without Arctic Kit (Heater)

Fixture type	Fixture load	Isolation transformer		CCR load
		Wattage	Load	CCK loau
Runway Threshold	19 VA			
Runway Threshold / Threshold End	24 VA			
Runway Threshold Wingbar	20 VA			
Runway End	18 VA			

Additional Overhead VA per Function

Fixture type	Additional fixture VA
Arctic Kit	5 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.

ADB SAFEGATE