

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
CE	

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 μ s combination wave, peaking at 10,000 V and 5,000 A.

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	
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.