AXON

ICAO Stop Bar LED Elevated, Unidirectional



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
UFC	3-535-01
Canada	TP 312
Australia	MOS 139
CE	

Uses

ICAO

• Stop Bar

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.



AXON

Ordering Code				Power Supply	y		
Application				Non-Monitore	-		
SB = Stop Bar	•	<u>. . .</u>		Monitored —	integrated Fail-ope	n technology	
Standards 3 = ICAO	•			Maintenance	and Installation	on	
Market Specific 0 = None	•			 and frangible cou 		ody, with mounting s rews to allow for 4° l lation.	
Lens Type S = Glass L = UV Resistant Polycarbona	ite			Operating Co	onditions		
Cable & Connector				Operating temp	erature -6	60 °C to +55 °C / -76	°F to +131 °F
$2 = 1 \times \text{Style } 6 2\text{-Pole Plug}^{1}$ $4 = 1 \times \text{Style } 1 2\text{-Pole Plug}^{2}$	•	: : :		Storage tempera	ature -6	60 °C to +80 °C / -76	°F to +176 °F
Color - Side 1 Left R = Red		1 1 1 1 1 1 1 1 1 ↓ 1 1 ↓ 1 1 ↓ 1 1 ↓ 1 1	1 . 1	Humidity	U	o to 100%	
Color - Side 2 Right N= None(obscured)		•		1 1 1			
Toe-In N= No Toe-In		•					
Fixture Height 0 = No Mounting – light hear 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 S = Current Driven 50/60 Hz M= Current Driven 50/60 Hz		•		Dimensions a	and Weight		
Options				Dimensions	ТВС	ТВС	
0 = None 1 = Arctic Kit				Weight	Min 2.7 kg / 6 l		
3 = Near Infra Red			•	l l			
4 = Arctic Kit & Near Infra Re	d		 	1 1			
Advanced Connectivity = 0			•	1			
Omni Directional 0 = No Circling Guidance			•				
Version Control = 1				•			





ANNEX

Elevated Stop Bar Fixtures Without Arctic Kit (Heater)

Fixture type	Fixture load	Isolation t	CCR load	
		Wattage	Load	
ICAO Stop Bar	11 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.

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