

AXON

Stopway

LED Elevated, Unidirectional



AXON

Compliance with Standards (current version)

ICAO Annex 14, Volume 1

NATO STANAG 3316

IEC 61827

EASA CS-ADR-DSN

Australia MOS 139

CE

Uses

ICAO & MOS

- Stopway

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.

Power Supply

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

Ordering Code

Application

SW= Stop Way

Standards

3 = ICAO

Market Specific

0 = None

4 = German Mil 7-Step FO

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

L = Left Toe-In

R = Right 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 Supply

S = Current Driven 50/60 Hz no monitoring

M = Current Driven 50/60 Hz with monitoring

Options

0 = None

1 = Arctic Kit

3 = Near Infra Red

4 = Arctic Kit & Near Infra Red

Fixed Digit(Sensor) = 0

Omni Directional

0 = No Circling Guidance

1 = Dimmable Circling Guidance

2 = Constant Intensity Circling Guidance

Version Control = 0

ADE

Toe-in Coding

Left Toe-in

Right Toe-in



Toe-in determined by standing on top of the light fixture looking in the direction of the 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 °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%



Dimensions and Weight

Dimensions

TBC

TBC

Weight

Min 2.7 kg / 6 lb (8 in)

TBC

¹Individual Wires with Separate Earth

²Jacketed SO 2 Core Cable with Separate Earth

ANNEX

Elevated Stopway Fixtures Without Arctic Kit (Heater)

Fixture type	Fixture load	Isolation transformer		CCR load
		Wattage	Load	
Stopway	12 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.