

AXON[™]

The airfield has reached a Glass Ceiling. **It's time to evolve with Polycarbonate lenses.**

LED revolutionized the airfield light. Polycarbonate lenses are the next step in the evolution.



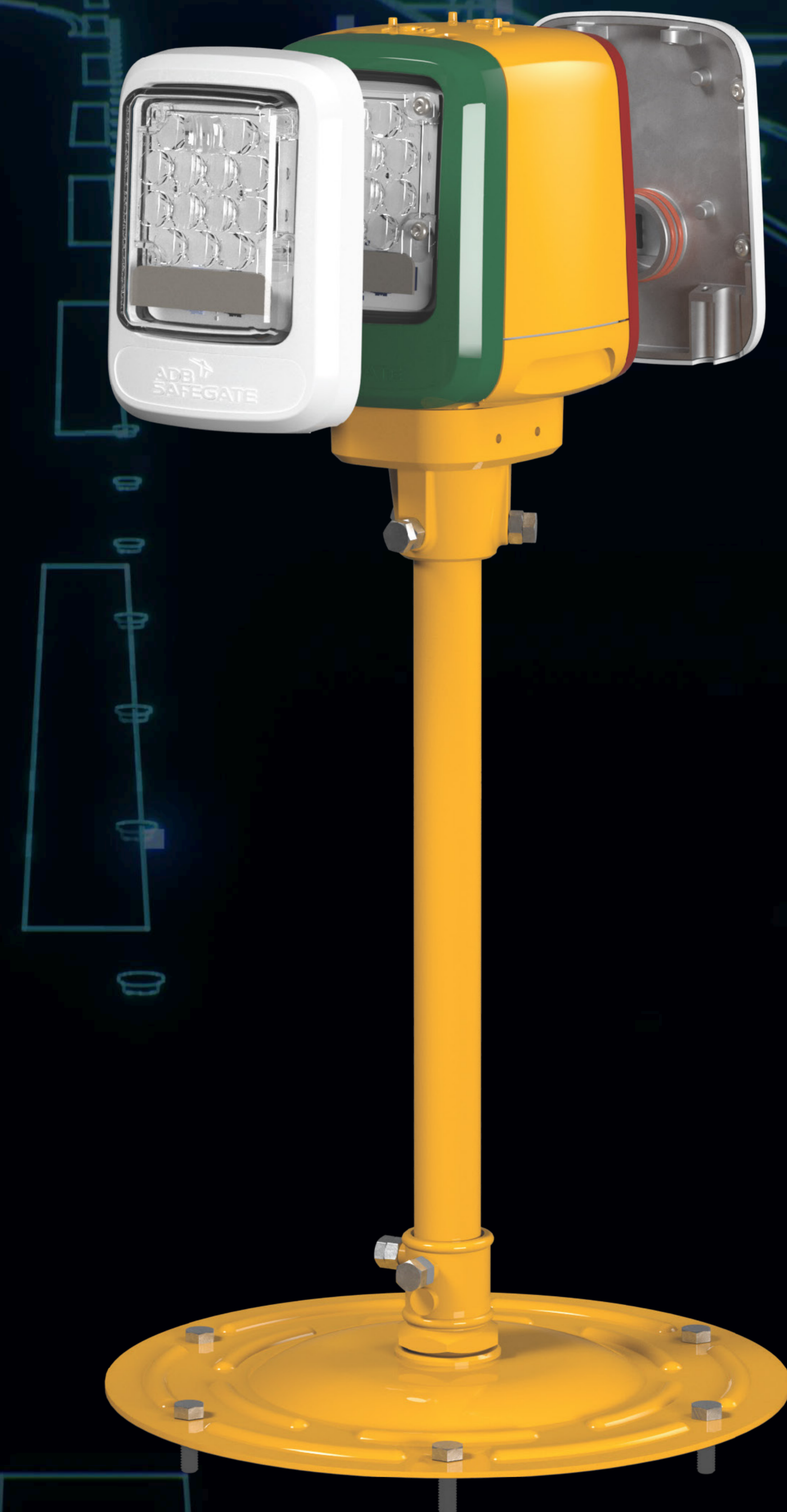
ADB SAFEGATE

Airfields have moved on from halogen. It's time to move on from glass.

For decades, glass was the standard in airfield ground lighting.

But today's operations demand more. Durability, UV resistance, and reliability under constant stress.

Polycarbonate lenses, protected with advanced coatings, deliver the same optical clarity as glass while outperforming it where it matters most: strength, longevity, and sustainability.



ADB
SAFEGATE

Polycarbonate Lens Benefits



Impact resistance

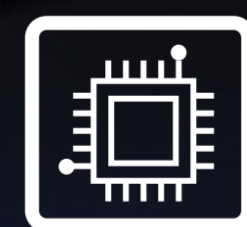
Withstands knocks, debris, and harsh weather.



UV protection Stabilizers + coatings block harmful UV.



Optical clarity High transparency for approach and runway lights.



Proven technology

Used in automotive, defense and subsea applications.



Reliable availability

Scalable, modern production.



Lifecycle savings

Fewer replacements, lower maintenance.





Polycarbonate works harder.

Polycarbonate lenses take on the toughest jobs without cracking.

Proven in automotive headlights, subsea robotics and explosion-proof defense applications. **Next stop? Your runway.**

Tested for Aviation.

 **Solar Radiation Testing:** Passed Intertek solar exposure tests.

 **Accelerated Life Testing:** Developing abrasion standards for assurance.

 **Coating Technology:** Advanced hard coats for abrasion resistance and UV blocking.

GLASS VS POLYCARBONATE

Feature	Glass Lenses	Polycarbonate Lenses (Hard-Coated)
Strength	Brittle, prone to cracks	High impact resistance
Abrasion Resistance	Naturally high	High with hard coat
UV Protection	Partially blocking	UV stabilizers + UV blocking
Optical Clarity	Excellent	Excellent, lighter weight
Lifecycle	More replacements	Durable, extended lifespan
Proven Applications	Traditional lighting	Automotive, defense, subsea, aviation
Availability	Limited, inconsistent	Scalable, modern production



The choice is clear: Sustainability is the trajectory of progress - in aviation and beyond.

Polycarbonate lenses deliver strength, clarity and reliability. Designed for the future of aviation.

Reach out to your local sales representative
for free samples on all your elevated lights.

*Demo installation available.

[CONTACT US](#)

The logo for ADB SAFEGATE, featuring the text "ADB SAFEGATE" in a bold, sans-serif font. Above the text is a stylized orange and white graphic element resembling a four-pointed star or a compass rose.

