



## LASER ARMOR™ AVIATOR GLASSES

### LASER DEFENSE EYEWEAR FOR NIGHT FLIGHT OPERATIONS

Laser Illumination of cockpits is a growing issue in aviation worldwide. Night Flight Concepts **Laser Armor™** is a new line of products designed to assist civil, government and industry aviation organizations worldwide increase laser strike readiness and prevent possible damage to personnel and equipment in order to improve operational safety and performance.

### PRODUCT OVERVIEW

**Laser Armor™ Aviator Glasses** optimize protection from intentional or incidental laser strikes without compromising the user job performance during night operations. Laser Armor eyewear absorbs laser strike beams, without compromising visual acuity or cockpit display panel color recognition.

### DESIGNED FOR CIVIL AVIATORS

There is a growing need for protective eyewear among unaided night operators to enhance safety against laser illumination of cockpits. Laser Armor Aviator Glasses were designed to support the specific operational requirements of pilots and crewmembers in civil aviation (fixed and rotary-wing), including airborne law enforcement, search & rescue (SAR), emergency medical services (EMS), commercial airline and cargo transport.

### COMPLETE LASER SOLUTIONS

Laser Armor products are complete solutions featuring certified equipment and effective training for aviation laser defense to enhance user safety and performance outcomes. Bundled training on aviation laser defense systems covers equipment capabilities and limitations, laser illumination risks, laser effects, and laser strike mitigation procedures.

### BENEFIT HIGHLIGHTS

- **Optimize Protection:** Enable superior laser defense protection that extends operational capabilities and readiness. Innovative lenses provide superior protection against lasers in low light conditions. Aviator Glasses absorb 99.5% of green laser and 97% of blue laser strike beams.
- **Improve Performance:** Exceptional optics and laser interference support coupled with laser defence training resulting in outstanding user on-the-job safety and performance. No degradation of visual acuity or cockpit display panel color recognition.
- **Deliver Exceptional Value:** Quality eyewear that lasts, Laser Armor offers cost effective, high-value laser defense options that meet any budget.
- **Outstanding Wearability:** Laser Armor offers several attractive ergonomic frame styles to provide optimal fit and exceptional comfort.
- **Enhance Existing Night Vision Solutions:** Laser Armor products integrate into existing equipment and training to complement existing SMS and night operation programs.



Laser Armor Aviator Glasses Frame Style: **LA Blaze**



Laser Armor Aviator Glasses Frame Style: **LA Razer**



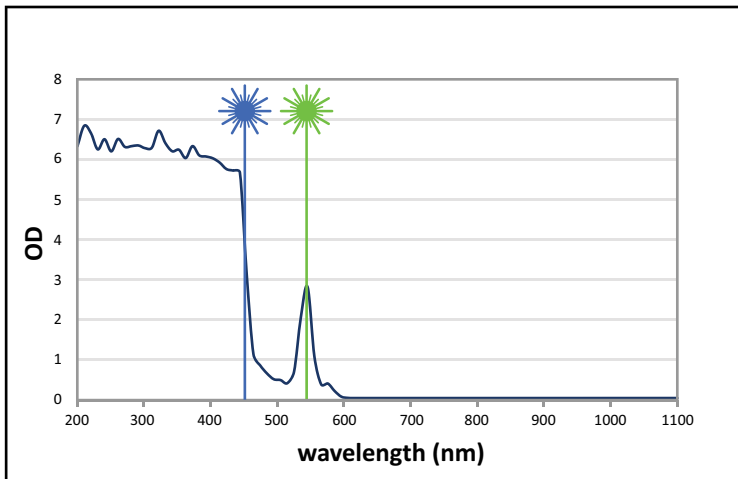
Laser Armor Aviator Glasses Frame Style: **LA Bold**

### SPECIFICATIONS

<b>LENSES</b>	Aviator Glasses feature lens treatments that provide laser protection by blocking specific wavelengths of light. Additional options of laser wavelength protection coverage available upon request.
<b>LASER WAVELENGTH</b>	97% Blue Beam Reduction at 445-450nm and 99.5% Green Beam Reduction at 532nm.
<b>OPTICAL DENSITY</b>	190-40nm 5.0+, 445-450nm 1.5+, 532nm 2.5+
<b>VISIBLE LIGHT TRANSMITTANCE</b>	49% visible light transmittance for low light conditions (night operations).

## FEATURES

<b>Innovative Lenses</b>	Provide superior protection against lasers in low light conditions.
<b>Laser Protection</b>	Glasses absorb 99.5% of green laser and 97% of blue laser strike beams.
<b>Uncompromised Visibility at Night</b>	Designed for low light conditions. No degradation of visual acuity or cockpit instrument panel visibility.
<b>From Aviation Experts</b>	Designed by operators and physiology experts to meet distinct needs of aviators. Delivered from a trusted, proven leader in fixed and rotary wing night operations.
<b>Integrates into Existing Systems</b>	Part of a complete laser defence solution that complements existing equipment systems, safety management systems (SMS) and night operations programs.
<b>Value-Add Training Bundle</b>	Includes <b>Laser Armor™ Laser Defense Training</b> on aviation laser defense systems, including equipment capabilities and limitations, operational concepts, laser illumination risks, laser effects, and laser strike procedures to improve user performance.
<b>Frame Style Options</b>	Three style options to provide optimal fit and exceptional comfort.
<b>Certified Protection</b>	Tested and certified to comply with ANSI and CE laser standards.



### Laser Armor Aviator Glasses absorb:

- 99.5% of green laser strike beams
- 97.0% of blue laser strike beams

### OPTICAL DENSITY:

190-40 nm	5.0+
445-450 nm	1.5+
532 nm	2.5+

## ADDED VALUE: LASER ARMOR AVIATION LASER DEFENSE TRAINING

Each Laser Armor product includes Laser Armor Aviation Laser Defense Training to help increase awareness on the problem of laser strikes and educate pilots and crewmembers on the associated risks in an effort to lower the risk of laser eye damage. The training is flexible, self-paced e-learning instruction to provide the necessary educational context on laser strikes, laser defense product capabilities, limitations and operation requirements to help improve user performance.

### Laser Defense Training Benefits

- Reduce Risk of Laser Damage to Personnel and Equipment
- Enhance Operator Safety and Performance
- Increase Learning Speed and Effectiveness
- Reduce Time and Costs of Training



*Laser Armor Aviation Laser Defense Training*



Night Flight Concepts (NFC) is a comprehensive night vision technology (NVT) provider specializing in night vision goggle (NVG) pilot and crewmember flight training, NVG service and maintenance repair, NVG maintenance technician training, and night vision program support for law enforcement agencies, air medical/rescue services, military organizations, and government task force agencies worldwide.

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