



LASER ARMOR™ LIF (Light Interference Filter)

LASER DEFENSE FOR CIVIL NIGHT VISION GOGGLE 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 provide unique protective products designed to assist civil, government and industry aviation organizations worldwide increase laser strike readiness and prevent possible damage to personnel and equipment to improve operational safety and performance.

SOLUTION OVERVIEW

Night Flight Concepts **Laser Armor™ LIF** (Light Interference Filters) are designed for use with leading Night Vision Goggle (NVG) systems to protect image intensifier tubes from laser spot damage from intentional or incidental exposure to laser strike beams.

LASER DEFENSE FOR CIVIL NVGs

Night Vision Goggles are widely regarded as a critical capability for fixed and rotary-wing aviators in night operations, including airborne law enforcement, emergency medical services (EMS) and search & rescue (SAR) services. The growing frequency of laser illumination of cockpits in civil operations has precipitated the need for laser defense accessories to support night vision goggle operations. In adapting technology long utilized in military operations, Laser Armor introduces LIF capability to support civil NVG operations.

PART OF A COMPLETE NIGHT VISION GOGGLE SOLUTION

Laser Armor Light Interference Filters (LIF) are designed to integrate directly into existing, popular night vision goggle models. The Laser Armor LIF solution features the high quality, tested NVG accessory bundled with effective laser defense training. Together, the LIF product offers a laser defense solution for civil NVG users that complements existing Night Vision Imaging System (NVIS) programs to further enhance safety and performance outcomes in night operations.

BENEFIT HIGHLIGHTS

- **Optimize Operational Capability:** NVG laser defense that improves user safety and readiness.
- **Exceptional Value:** Cost effective, high-value laser defense security that meets any budget.
- **Optimized Protection:** Enable superior laser defense protection that extends operational capabilities and readiness protecting NVG equipment against laser strikes.
- **Improve Performance:** Exceptional laser interference coupled with laser defence training resulting in improved user safety and performance.



Laser Armor LIF Style Option ONE



Laser Armor LIF Style Option TWO

SPECIFICATIONS

LASER COVERAGE	Light Interference Filters provide laser protection by blocking specific wavelengths of light. Additional options of laser wavelength protection coverage available upon request
LASER WAVE-LENGTH	97% Blue Beam Reduction at 445-450nm and 99.5% Green Beam Reduction at 532nm.



FEATURES

Innovative Lenses	Provide superior protection against lasers in low light conditions.
Exceptional Protection	Glasses absorb 99.5% of green laser and 97% of blue laser strike beams.
From Aviation Experts	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.
Integrates into Existing Systems	Part of a complete laser defence solution that complements existing equipment systems, safety management systems (SMS) and night operation programs.
Value-Add Training Bundle	Includes Laser Armor™ Laser Defense Training 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.

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, 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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