

Eclipse Laser Eye Protection

Laser Eye Protection for both helmet and non-helmet Fixed and Rotary Wing Aircrew

In continuous effort to combat laser threats faced by aircrew and aircraft maintainers across the globe Gentex has extended the Legacy Dazzle LEP product line by collaboration with AFRL on their initiative; Commercial Aviation Low Intensity (CALI). CALI was originally developed based on customer need for a high performing LEP and evaluated by FAA, NATO and Washington State Patrol. Gentex created Eclipse laser eye protection (LEP) based off this original AFRL formula. Eclipse lens technology is designed to maintain compatibility with cockpit displays across many airframes in two versions of Eclipse laser eye protection – Eclipse and Eclipse NIR. Both versions are offered in visors for the Gentex HGU-56/P helmet systems and spectacles that can be worn with or without a flight helmet.



*Eclipse NIR Visor
on a Gentex HGU-56/P*



*Eclipse NIR
Spectacles*



*Eclipse
Rotary Wing Visor*



*Eclipse
Spectacles*

KEY FEATURES

- Available in both visor and spectacles to be worn with or without helmet systems
- Eclipse provides Dazzle protection against violet, blue, green and red visible laser threats
- Eclipse NIR provides the same Dazzle protection against violet, blue, green as well as threats in the non-visible wavelengths
- Ballistic grade polycarbonate visors meet MIL-V-43511 standards
- Ballistic grade polycarbonate spectacle lenses in SF2 frame meet ANSI Z87.1 standards
- Nighttime device and use only, both LEP designs NVG compatible
- Abrasion resistance in accordance with MIL-C-83409 (front and rear surfaces coated with abrasion-resistant coating) to minimize scratching to extend the product life
- Compatible with all Gentex flight helmets
- Eclipse Spectacle lenses feature an Anti-Reflective Coating to reduce reflection and glare
- SF2 frame is a tough, corrosion resistant metal frame sold 3 different sizes with an Rx outsert (sold separately)

Performance Specifications

	405nm	445nm	532nm	650nm	850-890nm	1064nm	Spectacle Night (PLT-A)	Visor Night (PLT-A)
<i>Eclipse NIR</i>	3.0 OD	0.5 OD	2.0 OD	N/A	1.0 OD	1.5 OD	59%	50%
<i>Eclipse</i>	3.0 OD	0.5 OD	2.0 OD	0.3 OD	N/A	N/A	59%	50%

Contact Us

Gentex is committed to designing and manufacturing advanced performance capabilities for worldwide aircrew personnel. This product is controlled for export. The export of this product and related technical information requires prior authorization from the U.S. Government. For more information on the Gentex Eclipse Laser Eye Protection, please contact Gentex at sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at [facebook.com/Gentexcorp](https://www.facebook.com/Gentexcorp).