

EO WORLD CLASS DEFENSE OPTICS PROVIDER

ITAR Registered

Edmund Optics® is one of the leading providers of optics and optical assemblies to Defense contractors in the world. EO has created a "World Class" Compliance Program that establishes and defines policies, responsibilities and procedures for all Edmund Optics, Inc. employees. EO's Compliance Program is committed to the highest standards of ethical conduct and conducts international business in full compliance with all pertinent laws, regulations and policies that govern the import/export of defense articles, the export of defense services, and the export of commercial commodities.

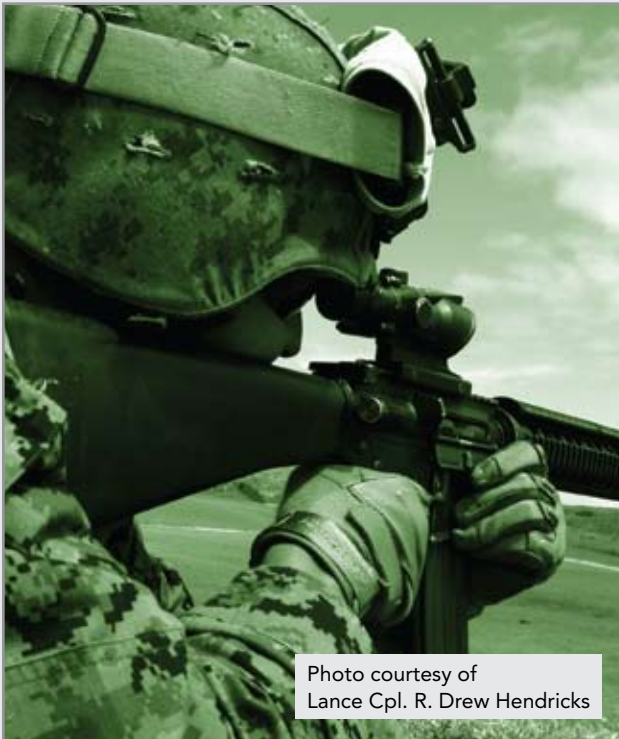


Photo courtesy of
Lance Cpl. R. Drew Hendricks

CUSTOMER SATISFACTION

“ As a soldier in the Army for the last 15 years I have personally witnessed the advancement of weapons technology, making it a safer fight for the soldier on the ground. **Edmund Optics® has been providing soldiers like me the ability to bring the fight to the enemy with superior optics that allow pinpoint precision instead of old iron sight shooting.** I can, with 100% confidence, say that these innovations have saved lives of not only our armed forces serving across the world as well as innocent civilians on the battlefield. ”

- Sgt. 1st Class Sean Bennett, "Airborne"

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THE PREMIER U.S.-BASED PRECISION
MANUFACTURER OF NIGHT VISION OPTICS

EO® **Edmund**
optics | worldwide

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EO DEFENSE CUSTOM OPTICS CAPABILITIES

OPTICAL COATINGS



- Multi-Layer Dielectrics
- Laser Mirrors
- Dichroic Filters
- Polarization Control Coatings (polarizing and non-polarizing beamsplitters)
- Narrowband and Broadband Interference Filters
- "Hot" and "Cold" Dielectric Mirrors
- Thermal Resistant Filters
- High Laser Damage Threshold Coatings
- Transparent Conductive Coatings
- Infrared Coatings
- Anti-Reflection Coatings
- Single Layer
- High Efficiency Broadband Multi-Layer
- Laser V, Double Laser V
- Metallic Mirrors (Protected and Enhanced) Aluminum, Silver, Gold
- Neutral Density Filters
- Advanced Plasma Reactive Sputter Coatings
- Fluorescence Filters
- Notch (Minus) Filters
- High Performance Edge Filters (LWP and SWP Filters)

Specialized Custom Design

CUSTOM MANUFACTURING CAPABILITIES

OPTICAL COMPONENT SPECIFICATIONS	Plano	Prism	Sphere Radius	Asphere Radius	Cylindrical
Diameter (mm):	3-500	3-150	3-200	15-120	15-120
Length (mm):	2-350	2-105	2-140	–	10.5-85
Width (mm):	2-350	2-105	2-140	–	10.5-85
Dimensional Tolerances (mm):	0.005	0.005	0.005	0.005	0.005
Center Thickness Tolerance (mm):	0.005	–	0.005	0.050	0.005
Parallelism Tolerance (arcsec):	5	–	–	–	30
Wedge Tolerance (mm):	0.005	–	0.005	0.025	–
Surface Accuracy (wave):	1/20	1/20	1/20	1/10	1/20
Surface Quality:	10/5	10/5	10/5	10/5	10/5
Angle Accuracy (arcsec):	–	1	–	–	–
Pyramidal Accuracy (arcsec):	–	5	–	–	–
Concave:	–	–	>5.0	>30.0	>10.0
Convex:	–	–	>2.5	>5.0	>5.0
Radius Tolerance (%):	–	–	0.05	0.05	0.1
Total Sag (mm):	–	–	–	<25	–

OTHER SPECIFICATIONS	Tolerance	Maximum	Minimum
Coatings:			
Size (mm)	–	1000	2
Waveband (nm)	–	200	14,000
FWHM (nm)	–	–	5
CWL (nm)	±2	–	–
Neutral Density OD (%T)	±5%	0.001	–
Blocking OD (%T)	±5%	0.00001	–
Reflection (%)	–	99.95	0.1
Polarization (S:P)	–	1000:1	–
Power (J)	–	20/cm ² 20 nsec	–
Metal Manufacturing:			
Size (mm)	–	250	1
Accuracy (mm)	0.001	–	–
Repeatability (mm)	0.001	–	–
Assembly:			
Active Alignment (mm)	0.001	50	5
Size (mm)	–	250	5
Environmental:			
Temperature (°C)	±0.2	200	-40
Humidity (%)	–	98 RH	20 RH



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