



Who we are



We are NoIR InSight, a family-owned business, dedicated to designing and manufacturing specialty eyewear in the United States for over 50 years.



Uniquely engineered filters that help protect people against the dangerous effects of laser light. With a commitment to enhanced safety, we stay ahead of the industry by working directly with laser manufacturers to develop proprietary filters that meet all quality and industry standards.



With the largest assortment of low vision filters, we have become the goto source for people suffering from low-vision conditions such as achromatopsia, macular degeneration, diabetic retinopathy, and cataracts.



Our experience in laser and low vision filters has led us to develop a sunglass line, with a mission to protect people and pets from the harmful effects of UV Rays.





What Drive Us



Precision. Vision. Protection.

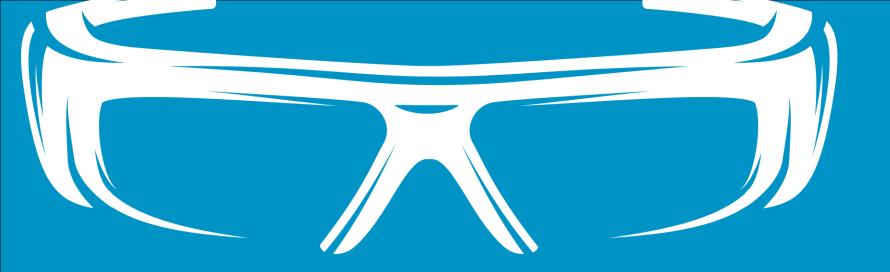
PRECISION drives our eyewear's meticulous craftsmanship, leaving no room for error. Each product is designed and manufactured with utmost accuracy, exceeding customer expectations for optimal vision performance.

VISION defines our purpose, recognizing the impact of clear sight on our customers' lives. Our eyewear enhances vision, empowering people to face challenges and opportunities with confidence.

PROTECTION is the pillar of our purpose, safeguarding our customers' eyes from harmful frequencies and providing support for numerous medical conditions. Our eyewear acts as a barrier, ensuring safety and well-being.

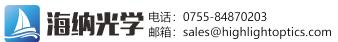






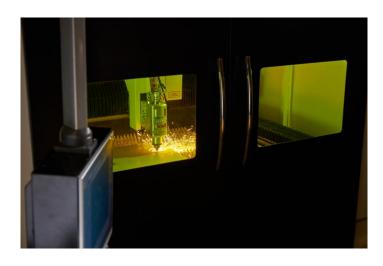
Laser Safety Window Recommendations





Why Laser Safety Windows



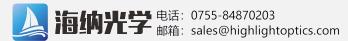


- Acrylic and polycarbonate laser protective windows for safe viewing of laser environments
- Mountable in equipment doors
- Frameable for room doorways and windows



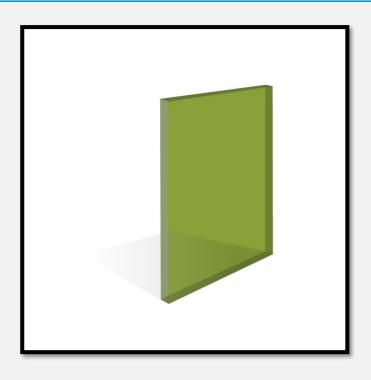
- Standard sizing 24x36" and available as large as 36x48" for select filters
- Custom cuts available
- NoIR can make precision cuts with tight tolerances and special cuts (rounds, drill holes, etc,).



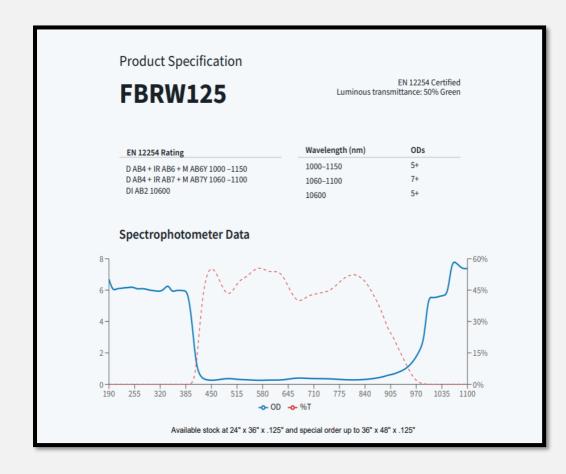


Window FBRW125





- Standard Sheet Size- 24" X 36" X .125" (609.6 X 914.4 X 3.175 mm)
- Special Order Size- 36" X 48" X .125" (914.4 X 1,219.2 X 3.175 mm)
- Available for Custom Cuts
 - Priced in Sq Ft Increments





Window FBRW125







ECS GmbH - European Certification Service

Certificate of Compliance

Herewith, ECS certifies that the product(s)

FBRW125, safety window for protection against laser, being screen for laser working places

supplied by the company

NOIR Laser Company 4975 Technical Drive MILFORD, MI 48381

comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, laser stability, impact resistance, ignition resistance as they are described in the relevant European standard as indicated below.

Standard / technical rules EN 12254 : 2010 + AC : 2011

Test report(s) 1236-ECS-23 / MR 12361-ECS-23

Material and PMM

specifications Thickness: ≥3.3 mm

Luminous transmittance D65: 43%

Marking D AB4 + IR AB6 + M AB6Y 1000 - 1150

D AB4 + IR AB7 + M AB7Y 1060 - 1100

DI AB2 10600 NOIR

This certificate of compliance expires in 2029-03.

The validity of this certificate of compliance (CoC) may be compromised if the manufacturer changes the safety related properties of the product or if the standard referred to is modified or updated.

This certificate only relates to the named test sample. Without permission of the ECS GmbH the related test report shall not be duplicated entirely or in extracts. The test report does not entitle to carry any test mark.

As a recognised and authorised testing laboratory / facility, we hereby authorise the use of our name, address and the identification number 1883 of the notified body ECS in marketing and information material produced by the manufacturer.

ECS GmbH Notified Body 1883 21/04/24

Dr. Bernhard Schmitz



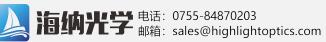
ECS GmbH – European Certification Service Augenschutz und Persönliche Schutzausrüstung Laserschutz und Optische Messtechnik Obere Bahnstraße 74 73431 Aalen, Germany

Compliant with EN 12254 standard

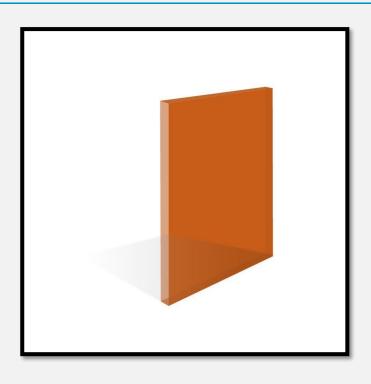
Attenuates from 1000 nm to 1150 nm for fiber laser cutting, disc lasers (Yb:YAG), marking and welding systems including 1030nm, 1050nm, 1060nm, 1064nm (Nd:YAG), 1070nm, 1080 nm, 1090nm, 1100nm, 1130nm, and 1150nm



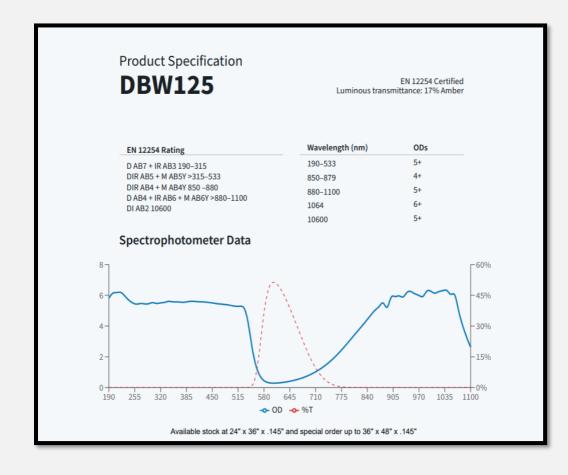
Window DBW125





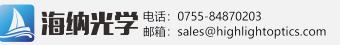


- Standard Sheet Size- 24" X 36" X .145" (609.6 X 914.4 X 3.683 mm)
- Special Order Size- 36" X 48" X .145" (914.4 X 1,219.2 X 3.683 mm)
- Available for Custom Cuts
 - Priced in Sq Ft Increments





Window DBW125







ECS GmbH - European Certification Service

Certificate of Compliance

Herewith, ECS certifies that the product(s)

DBW125, safety window for protection against laser, being screen for laser working places

supplied by the company

NOIR Laser Company 4975 Technical Drive MILFORD, MI 48381

comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, laser stability, impact resistance, ignition resistance as they are described in the relevant European standard as indicated below.

Test report(s) 1236-ECS-23 / MR 12363-ECS-23

Material and PMM

specifications Thickness: ≥3.3 mm

Luminous transmittance D65: 11%

Marking D AB7 + IR AB3 190 - 315

DIR AB5 + M AB5Y >315 - 533 DIR AB4 + M AB4Y 850 - 880

D AB4 + IR AB6 + M AB6Y >880 - 1100

DI AB2 10600 NOIR

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ECS GmbH Notified Body 1883 21/04/24

Dr. Bernhard Schmitz ECS-Certification

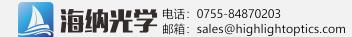


ECS GmbH – European Certification Service Augenschutz und Persönliche Schutzausrüstung Laserschutz und Optische Messtechnik Obere Bahnstraße 74 73431 Aalen, Germany

Compliant with EN 12254 standard

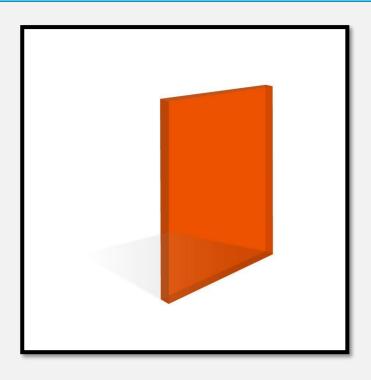
- For Nd:YAG (1064nm) and its harmonics: 532nm (second), 355nm (third), 266nm (fourth), 213nm (fifth).
- Coverage also protects laser hazards at 455nm, 488nm, 514nm (Argon), 511nm (Copper Vapor), 532nm (Doubled YAG for KTP therapy), 190nm to 532nm (Excimer, UV Curing, Blue light curing), and 10,600nm (CO2).



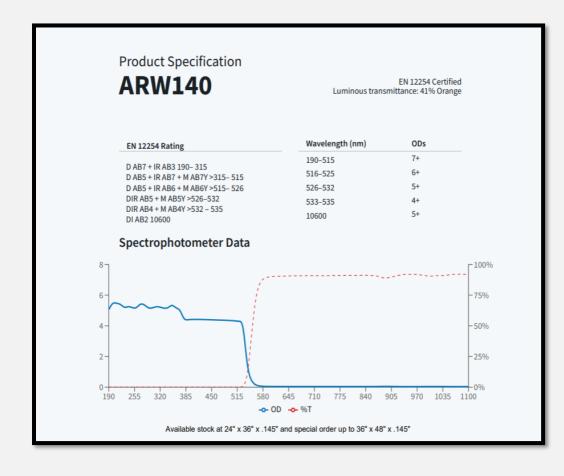


Window ARW140

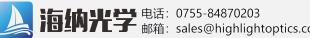




- Standard Sheet Size- 24" X 36" X .145" (609.6 X 914.4 X 3.683 mm)
- Special Order Size- 36" X 48" X .145" (914.4 X 1,219.2 X 3.683 mm)
- Available for Custom Cuts
 - Priced in Sq Ft Increments







Window ARW140





Certificate of Compliance

Herewith, ECS certifies that the product(s)

ARW140, safety window for protection against laser, being screen for laser working places

supplied by the company

NOIR Laser Company 4975 Technical Drive MILFORD, MI 48381

comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, laser stability, impact resistance, ignition resistance as they are described in the relevant European standard as indicated

Standard / technical rules

EN 12254 : 2010 + AC : 2011

Test report(s) 1236-ECS-23 / MR 12362-ECS-23

Material and specifications

Thickness: ≥3.7 mm

Luminous transmittance D65: 33%

Marking D AB7 + IR AB3 190 - 315

D AB5 + IR AB7 + M AB7Y > 315 - 515

D AB5 + IR AB6 + M AB6Y >515 - 526 DIR AB5 + M AB5Y >526 - 532

DIR AB4 + M AB4Y >532 - 535

DI AB2 10600 NOIR

This certificate of compliance expires in 2029-03.

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ECS GmbH Notified Body 1883 21/04/24

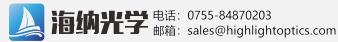
FCS-Certification

ECS GmbH - European Certification Service Augenschutz und Persönliche Schutzausrüstung Laserschutz und Optische Messtechnik Obere Bahnstraße 74 73431 Aalen, Germany

Compliant with EN 12254 standard

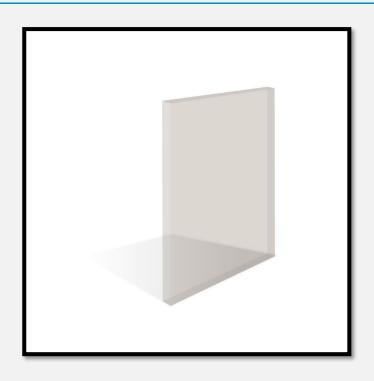
- For 532 nm (Doubled Nd:YAG) and KTP laser applications.
- Also protects common wavelengths of: 455 nm, 488 nm, 514 nm (Argon), 511 nm (Copper Vapor), 532 nm, 190 nm to 380 nm (Excimer, UV Curing), 400 nm to 535 nm (Blue Light / Dental Curing).



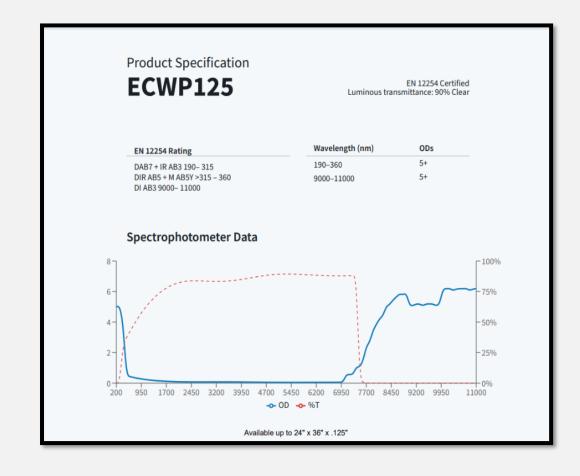


Window ECWP125



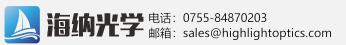


- Standard Sheet Size- 24" X 36" X .125" (609.6 X 914.4 X 3.175 mm)
- Available for Custom Cuts
 - Priced in Sq Ft Increments





Window ECWP125







ECS GmbH - European Certification Service

Certificate of Compliance

Herewith, ECS certifies that the product(s)

ECWP125, safety window for protection against laser, being screen for laser working places

supplied by the company

NOIR Laser Company 4975 Technical Drive MILFORD, MI 48381

comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, laser stability, impact resistance, ignition resistance as they are described in the relevant European standard as indicated helpow.

Test report(s) 1236-ECS-23 / MR 12364-ECS-23

Material and Polycarbonate

specifications Thickness: ≥3.0 mm

Luminous transmittance D65: 87%

Marking D AB7 + IR AB3 190 – 315

DIR AB5 + M AB5Y > 315 - 360 DI AB3 9000 - 11000 NOIR

This certificate of compliance expires in 2029-03.

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ECS GmbH Notified Body 1883

Dr. Bernhard Schmitz

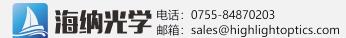


ECS GmbH – European Certification Service Augenschutz und Persönliche Schutzausrüstung Laserschutz und Optische Messtechnik Obere Bahnstraß P4 73431 Aalen, Germany

Compliant with EN 12254 standard

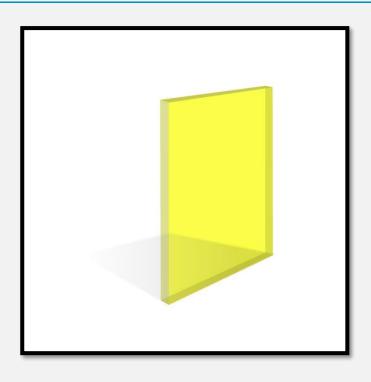
 For laser hazards at 10,600 nm (CO2) primarily, as well as 200 nm to 360nm (Excimer, UV Curing).



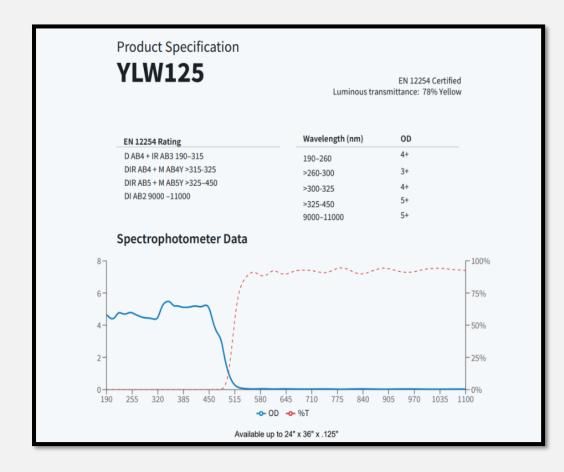


Window YLW125

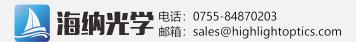




- Standard Sheet Size- 24" X 36" X .125" (609.6 X 914.4 X 3.175 mm)
- Available for Custom Cuts
 - Priced in Sq Ft Increments







Window YLW125





Certificate of Compliance

Herewith, ECS certifies that the product(s)

YLW125, safety window for protection against laser, being screen for laser working places

supplied by the company

NOIR Laser Company 4975 Technical Drive MILFORD, MI 48381 USA

comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, laser stability, impact resistance, ignition resistance as they are described in the relevant European standard as indicated below.

Test report(s) 1236-ECS-23 / MR 12365-ECS-23

Material and PMM

specifications Thickness: ≥3.0 mm

Luminous transmittance D65: 78%

Marking D AB4 + IR AB3 190 - 315

DIR AB4 + M AB4Y >315 - 325 DIR AB5 + M AB5Y >325 - 450 DI AB2 9000 - 11000 NOIR

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ECS GmbH Notified Body 1883 21/04/24

Dr. Bernhard Schmitz

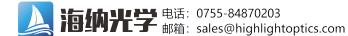


ECS GmbH – European Certification Service Augenschutz und Persönliche Schutzausrüstung Laserschutz und Optische Messtechnik Obere Bahnstraße 74 73431 Aalen, Germany

Compliant with EN 12254 standard

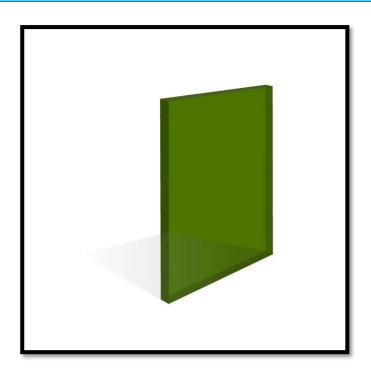
 Protects common wavelengths of 445nm and 450nm, plus 190nm to 380nm (Excimer, UV Curing), 400nm to 450nm (Blue Light / Dental Curing).



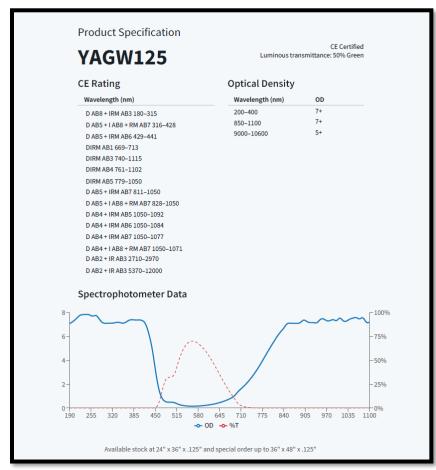


Window YAGW125

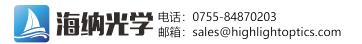




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- Available for Custom Cuts
 - Priced in Sq Ft Increments

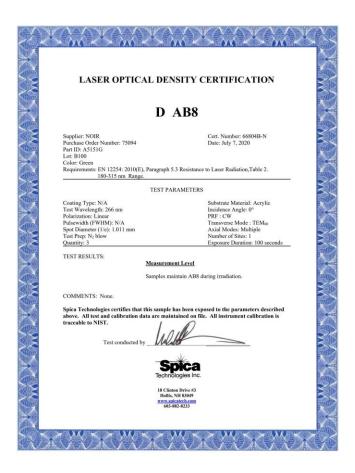






Window YAGW125





Compliant with EN 12254 standard

- Attenuates from 1000 nm to 1100 nm for fiber laser cutting, disc lasers (Yb:YAG), marking and welding systems including 1064nm (Nd:YAG).
- Affords high absorption for diode and pump lasers from 850-1000nm.



Protection through Innovation



At the heart of our brand lies a passion for precision engineering and a commitment to protecting vision. We are driven by the pursuit of excellence in crafting eyewear that surpasses expectations. Our journey began with a vision to revolutionize protective eyewear, then we expanded to encompass a diverse range of eyewear solutions to improve vision for those with medical issues. We've also created a line to enhance everyday vision. Today, we are a trusted name, providing innovative products that enhance and protect sight.

Our dedication to innovation drives us to continuously push boundaries and explore new frontiers in eyewear technology. We believe that progressive ideas and constant improvement are instrumental in shaping the future of eyewear. By staying at the forefront of advancements, we empower our customers to experience the world with newfound clarity and protection.



