NoIR LaserShields®

LOOK SMART.

Made in the USA for the world of laser applications.

Frames

SMALL universal fit, comfortable over prescription glasses or alone, offering a full field of view.

31 | 140mm×132mm×50mm   C E **certified**

MEDIUM or **LARGE** universal fit, comfortable over prescription glasses or alone. Modern styling and comfort-fit temples; available in black or white.

51/53 | 141mm×145mm×45mm
146mm×145mm×50mm   C E **certified**

MEDIUM or **LARGE** universal fit, comfortable over prescription glasses or alone, offering a full field of view. Adjustable temples; available in black or white.

36/38 | 142mm×135mm×49mm
144mm×145mm×50mm   C E **certified**

MEDIUM universal fit, comfortable over prescription glasses or alone. Comfort-fit temples; available in black or white, or with glass lenses as № 37

33 | 145mm×138mm×54mm   C E **certified**

EXTRA-LARGE universal fit, comfortable over prescription glasses or alone, offering a full field of view.

39 | 148mm×140mm×54mm   C E **certified**

MEDIUM universal fit, in a Retro styling. Insert for Rx or secondary filter.

55 | 145mm×142mm×45mm   C E **certified**

MEDIUM or **LARGE** universal fit, comfortable over prescription glasses or alone, offering a full field of view.

700/900 | 145mm×145mm×54mm
150mm×148mm×56mm   C E **certified**

MEDIUM universal fit, comfortable over prescription glasses or alone. Adjustable temples; Flip-down Rx or secondary filter.

40 | 143mm×130mm×48mm

Protection with an eye on comfort: a frame to fit every face — a filter for every applicaton
www.lasershields.com

WRAP

Universal soft comfort fit goggle with insert for Rx or secondary filter. Anti-fog venting and adjustable strap.

50 133mm×51mm — CE certified

MEDIUM modern style wraparound with wide field of view, comort-fit temples and a faceform fit.

52 130mm×148mm×45mm — CE certified

MEDIUM wraparound style frame, with adjustable temple lengths and adjustable temple angles; Comfort nose pads.

32 142mm×130mm×50mm

MEDIUM modern style wraparound with comfort-fit temples and nose pads, rimless edges and a faceform fit. Insert for Rx or secondary filter.

34 135mm×142mm×48mm — CE certified

MEDIUM universal soft comfort fit goggle with Anti-fog venting and adjustable strap. Comfortable over prescription glasses or alone.

60 150mm×85mm

MEDIUM modern style wraparound with wide field of view, adjustable temple lengths and adjustable temple angles for a faceform fit.

35 130mm×130mm×47mm — CE certified

PEDIATRIC or **PETITE** wrap-around with slender faceform fit.
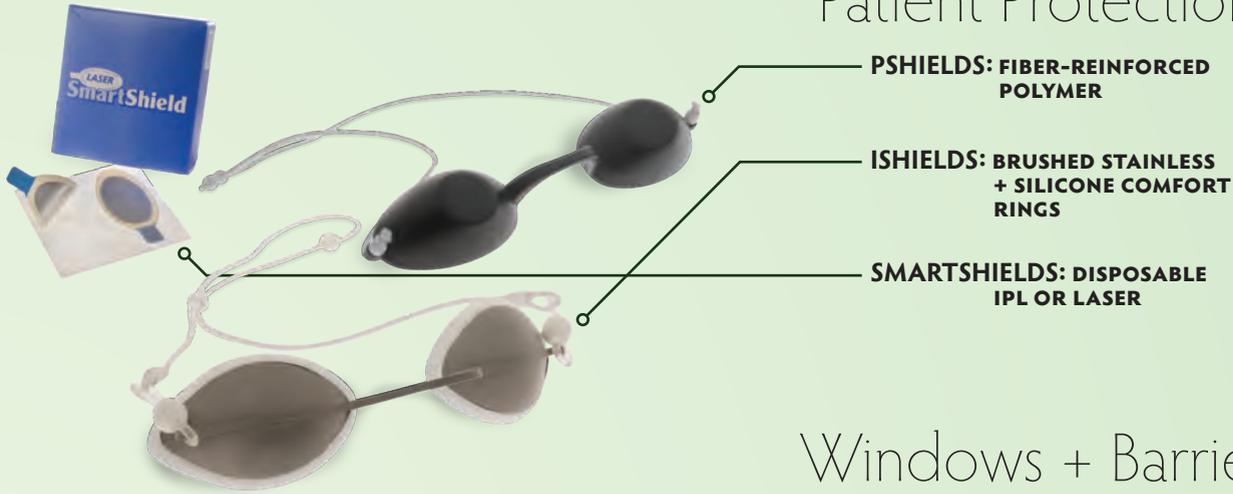
KM 115mm×130mm×36mm — CE certified

MEDIUM modern style wraparound with comfort-fit temples and nose pads for a faceform fit.

56 137mm×145mm×43mm — CE certified

Frames and filters are warranteed against breakage and defects
www.lasershields.com

Patient Protection

PSHIELDS: FIBER-REINFORCED POLYMER

ISHIELDS: BRUSHED STAINLESS + SILICONE COMFORT RINGS

SMARTSHIELDS: DISPOSABLE IPL OR LASER

Windows + Barriers

FULL LINE OF ACRYLIC WINDOW MATERIAL UP TO 3 FT × 4 FT.

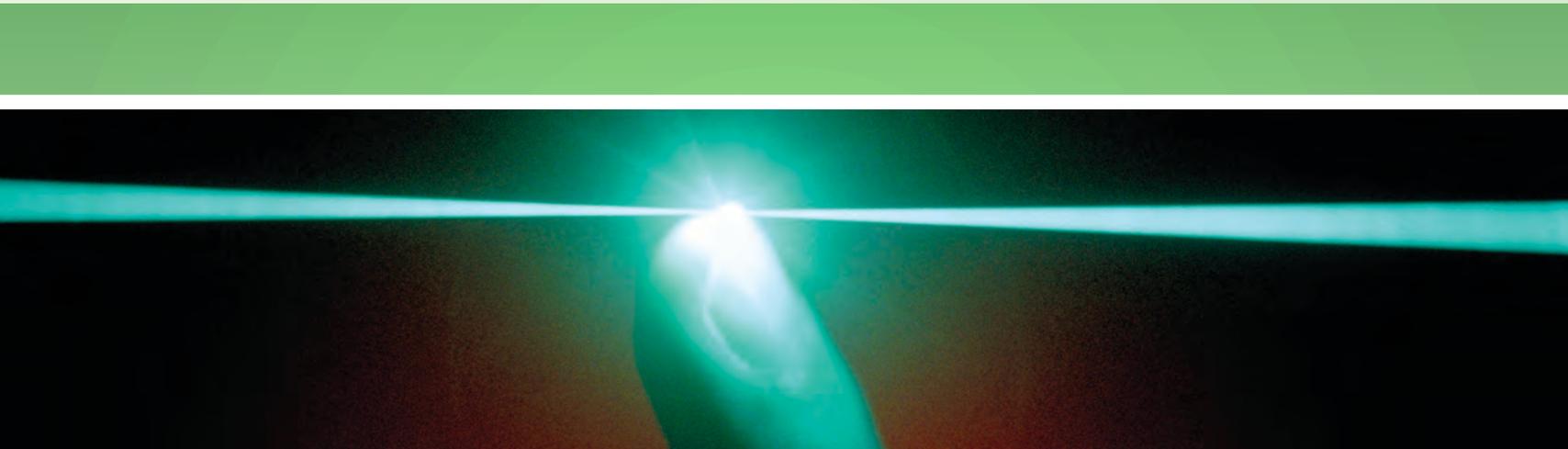**ALL LASERSHIELD FILTERS AVAILABLE AS 4 IN × 8 IN OPTICALLY CORRECT FLAT LENSES. CUSTOM CUTS AS REQUIRED.**

CONTACT US FOR BARRIERS, CURTAINS, AND SIGNS.

Magnification

CLIP-IN READING POWERS

HOOK-INS FOR LOUPES

CONTACT OUR TECHNICAL SALES REPRESENTATIVES FOR CUSTOM FILTERS FOR FORENSICS, FLUORESCENCE, ENHANCEMENT OF CHEMOLUMINESCENCE, ALIGNMENT, CURING, AND PHOTODYNAMIC THERAPY

LaserShields: maximizing protection and visibility through engineering innovation and tight manufacturing tolerances.
noirsales@lasershields.com

Choose your LaserShield

1 Determine OD requirements for wavelength and power

2 Consider visible light transmittance

3 Choose frame style

Technical

The human eye can be permanently injured from direct or reflected exposure to laser energy. Retinal injury occurs from exposure to visible or near IR energy (400-1400nm), while corneal or lens damage results from UV (190-400nm) and IR (1400-11000nm) exposure.

Coupled with proper safety protocols and strong laser training, laser safety eyewear can prevent injury and should be worn in the presence of an operational laser.

Laser safety eyewear is designed to absorb specific laser energy, and eyewear must be selected by considering laser wavelength and peak irradiance, required optical density (OD), visual light transmittance, field of view, effects on natural color rendition and frame comfort.

OPTICAL DENSITY (OD)	0	1	2	3	4	5	6	7	8
PERCENT TRANSMITTANCE	100	10	1	.1	.01	.001	.0001	10^{-5}	10^{-6}

LaserShields utilize 3 technologies: narrow-band absorptive dyes permanently molded into polymer lenses (lower cost, lighter-weight, more comfortable, most durable sometimes darker), absorptive mineral glass (higher cost, heavier, higher visible light) and hybrid polymer or glass filters combining absorption with reflective coatings (highest cost, least durable).

LaserShields are CE-Certified (EN207/208) for most lasers, including direct viewing of ultrafast pico- and femtosecond pulses (M LB7) and high-powered pulses (IR LB7). LaserShields meet the requirements of 89/686 EEC Personal Protective Equipment and are classified Class 1 per rule 1 in Annex IX of the Medical Device Directive 93/42/EEC + 2007/47/EC.

CAUTION: NEVER LOOK DIRECTLY INTO THE PATH OF A LASER OR LASER REFLECTIONS. LASERSHIELD EYEWEAR OFFERS PROTECTION AGAINST INCIDENTAL EXPOSURE TO SPECIFIED BEAM ENERGY ONLY. CONSULT A LASER SAFETY OFFICER, APPROPRIATE LASER SAFETY STANDARDS AND/ OR LASER SYSTEM DOCUMENTATION TO ENSURE CORRECT EYEWEAR AND SAFE LASER USE. THE USE OF INCORRECT EYEWEAR MAY LEAD TO SERIOUS PERSONAL INJURY OR BLINDNESS.

LOOK SMART®

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