



—— Laser Safety ——

PRODUCT CATALOG



Protecting Vision For Generations

For over 50 years, NoiR InSight has been a proud family-owned U.S.-based manufacturer with one mission: helping people worldwide see more, do more, and live better through eyewear that protects and enhances vision. Providing laser protective eyewear and laser safety windows across a variety of applications and laser environments, we've set the standard for reliability and performance.

Our legacy includes decades of collaboration with laser manufacturers, clinicians, engineers, and researchers across fields like aesthetics, dermatology, industrial processing, scientific research, and law enforcement. Every product reflects our commitment to innovation, craftsmanship, and the family values that have guided us from the start.

What Sets Us Apart

- 1

Innovation in Laser Safety
Fast development and testing of new laser safety and enhancement filters deliver advanced protection for evolving technologies.
- 2

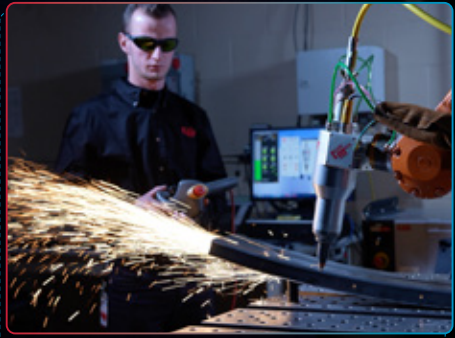
Tailored Solutions Across Every Market & Industry
Customized wavelength and optical density for medical, aesthetic, industrial, research, and tactical needs.
- 3

Unmatched Product Selection
A broad portfolio of ergonomic frames, patient eyewear, and laser safety windows designed for comfort, durability, and full-spectrum protection for every application.
- 4

Agile, U.S.-Based Manufacturing
Responsive engineering, fast turnaround, and strict quality control – all proudly based in the United States, with dependable delivery worldwide.
- 5

Private Labeling & OEM Partnerships
Custom branding and manufacturing solutions for device makers, distributors, and organizations seeking a seamless extension of their own product lines.
- 6

Family Values, Professional Integrity
Five decades of family leadership driving a tradition of care, craftsmanship, and excellence that you can trust.



Your Step-by-Step Guide to Safety

Choosing the correct eyewear doesn't have to be complicated. Our website offers interactive tools that help you select the right filters. With this straightforward approach, you'll always have the right protection at the right time.

Follow These Steps

- 1

Identify Specs
Identify laser wavelength(s) and optical density requirements (reference your laser manual for this information). Use our Search by Wavelength and OD tool to enter up to 3 wavelengths.
- 2

Calculate OD
If you don't know your required Optical Density, our OD Calculator will help you figure it out. Follow the prompts on the screen to enter your laser equipment parameters. The result will show the OD and the filters matching the required specifications.
- 3

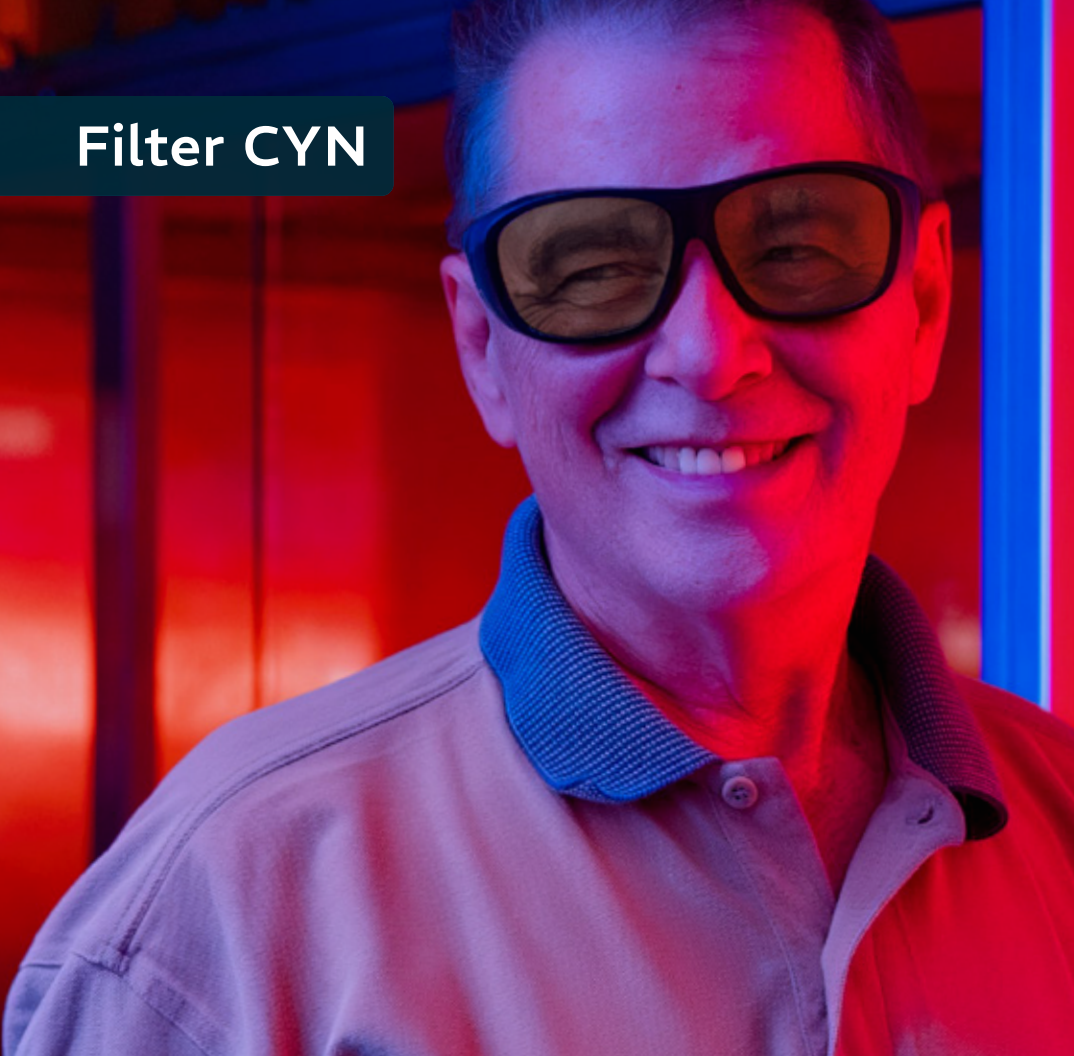
Select Filter
Determine the Visible Light Transmittance required for your applications. Choose the filter with the optimal VLT from the results that fit your requirements. As a rule, the higher the VLT, the better.
- 4

Choose Frame
Once you have selected your filter, determine the type of frame that best fits your needs, whether it's a fitover that you can wear over your prescription glasses or a wrap-around that provides a snug fit.

See some of our most popular products on the following pages. Full selection available at: www.noirinsight.com



Filter CYN



Shown With
Frame 53X

- 1 Our largest fitover
- 2 Comfortable fit over Rx glasses or alone
- 3 Comfort fit soft temples
- 4 Superior temple coverage

Filter FG1



Shown With
Frame 1+1

- 1 Soft rubber gasket for a comfortable fit
- 2 Articulated temples to adjust fit angle
- 3 Wide field of view that meets all angular requirements
- 4 Extendable temple arms for the perfect fit

CE Rating	Wavelength & OD	Color
190-315 D LB8 + R LB4 >315-425 D LB4 + IR LB6 650-680 DIR LB1 >680-720 DIR LB2 730-1085 DIR LB5 745-765 DIR LB6 750-760 D LB6 + IRM LB7 1063-1065 D LB6 + IRM LB7	190-435 5+ 650-680 1+ >680-720 2+ 730-1085 5+ 745-765 6+ 750-760 7+ 1063-1065 7+	Green
		Material
		Polycarbonate
		VLT
		36%

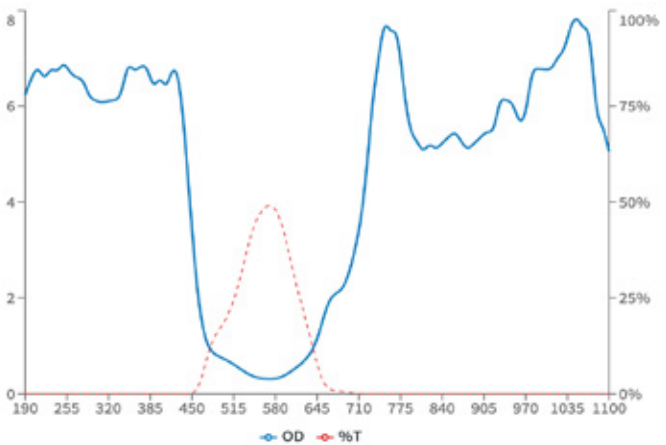


Filter CYN

CE Rating	Wavelength & OD	Color
850-900 DIR LB3+M LB3Y >900-950 DIR LB4+M LB4Y >950-1000 DIR LB5+M LB5Y >1000-1063 DIR LB6+M LB6Y >1063-1400 D LB6+IR LB7+M LB7Y >1400-1600 DIR LB4+M LB2 >1600-2200 DIR LB4 2900-3200 DI LB4 9000-11000 DI LB4	850-2800 3+ 900-2600 4+ 950-1010 5+ >1010-1500 7+ >1500-2350 5+ >2800-10600 5+	Clear
		Material
		Glass
		VLT
		75%



Filter FG1



Available in these and other frames

Frame #55

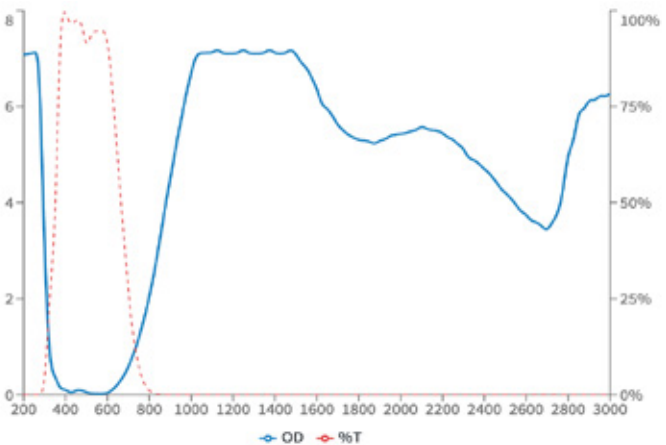
Frame #46

Frame #53X

Frame #41

Frame 53

Frame #1+1



Available in these and other frames

Frame #55

Frame #46

Frame #53X

Frame #41

Frame #53

Frame #37

Filter YG3



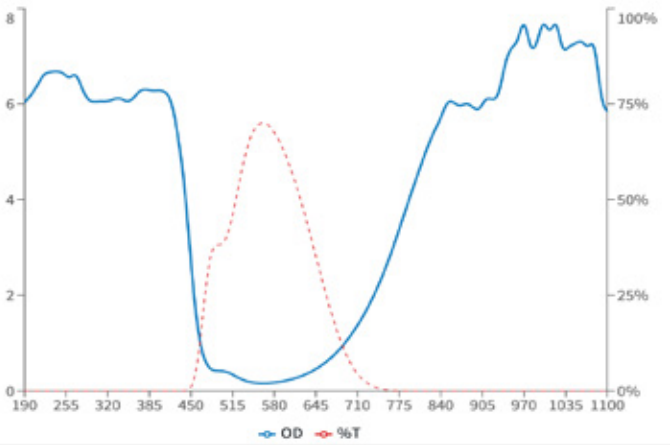
Shown With
Frame #44

- 1 Padded foam gasket for a comfortable fit
- 2 Adjustable temples
- 3 Adjustable angles

CE Rating	Wavelength & OD	Color
190-315 D LB8 + IR LB4 + M LB6Y >315-425 DIRM LB5 790-<808 DIRM LB3 808-840 DIRM LB4 >840-950 DIRM LB5 >950-1080 D LB6 + IRM LB7 >1080-1090 DIRM LB5 S	190-400 5+ 808-840 4+ >840-950 5+ >950-1080 7+ >1080-1090 5+	Green
		Material
		Polycarbonate
		VLT
		59%



Filter YG3



Available in these and other frames



Filter DBY



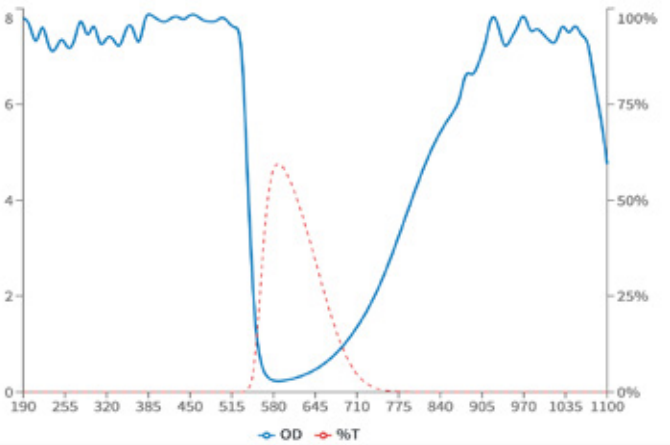
Shown With
Frame #48

- 1 Vented to reduce fogging
- 2 Ratchet temples to adjust the fit angle
- 3 Wide field of view that meets all angular requirements
- 4 Extendable temple arms for the perfect fit

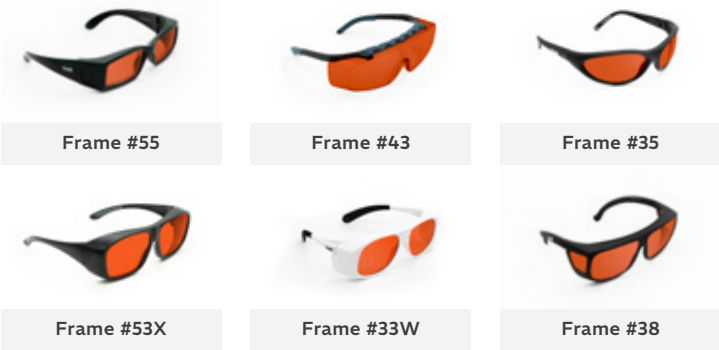
CE Rating	Wavelength & OD	Color
180-315 D LB7 + R LB4 >315-534 D LB5 + IRM LB6 850-925 DIRM LB5 >925-980 D LB5 + IRM LB6 >980-1064 D LB6 + IRM LB7 >1064-1085 DIRM LB5 S	190-534 7+ 850-925 5+ >925-1070 6+ 960-1064 7+	Amber
		Material
		Polycarbonate
		VLT
		35%



Filter DBY



Available in these and other frames



Filter DD2



Shown With
Frame #34

- 1 Sleek, stylish look and fit
- 2 Face-hugging lens curvature for a snug, wrap-around fit
- 3 Removable Rx insert: prescription only, no laser inserts

Filter EC2



Shown With
Frame #38

- 1 Comfortable fit over Rx glasses or alone
- 2 Adjustable temples
- 3 Side-shields for wide field of view

CE Rating	Wavelength & OD	Color
765-1080 DIR LB3 780-855 + 950-1070 DIR LB4 795-835 + 980-1050 DIR LB5 S	765-1080 3+ 780-855 + 950-1070 4+ 795-835 + 980-1050 5+	Yellow
	Material	
	Polycarbonate	
	VLT	
	56%	

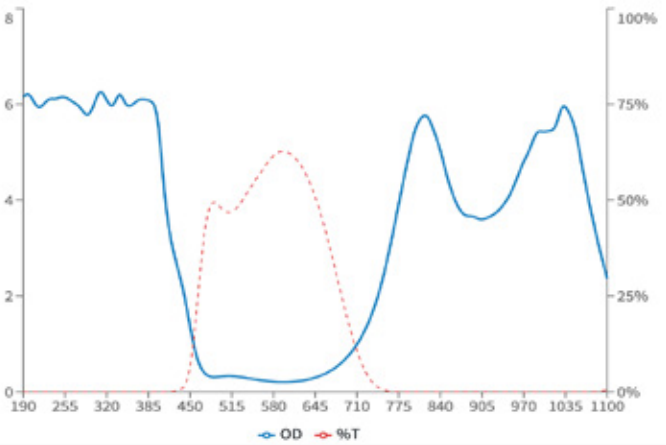


Filter DD2

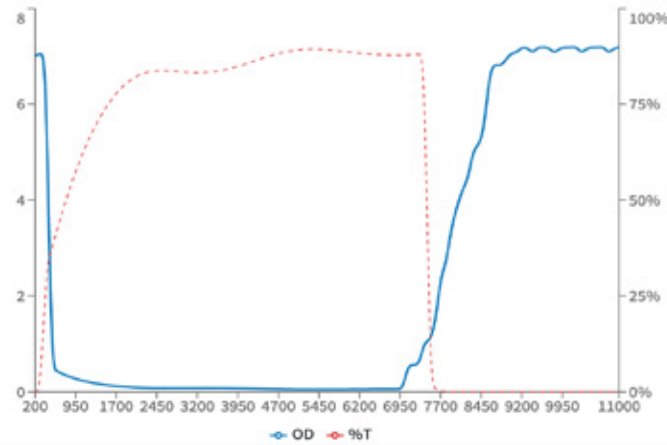
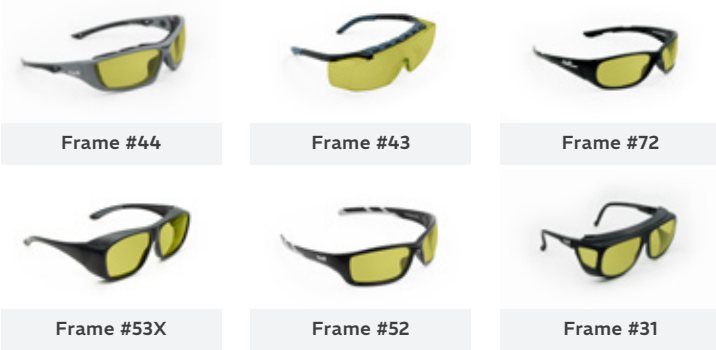
CE Rating	Wavelength & OD	Color
190-315 D LB7 + IR LB4 >315-398 DIRM LB5 9000-11000 DI LB3 S	190-398 7+ 9000-11000 7+	Clear
	Material	
	Polycarbonate	
	VLT	
	93%	



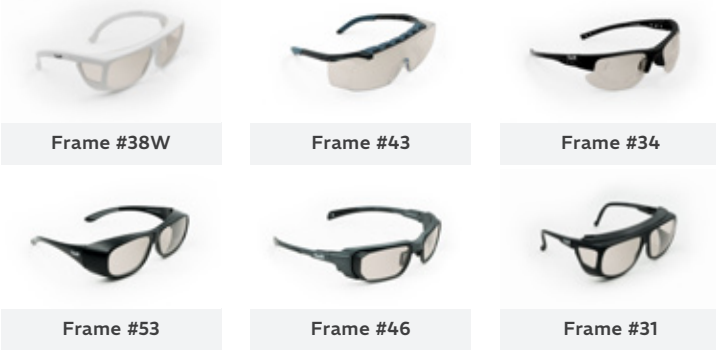
Filter EC2



Available in these and other frames



Available in these and other frames



Filter DI8



Shown With
Frame #72

- 1 Face-hugging lens curvature for a snug, wrap-around fit
- 2 Comfortable fit temples

Filter YG2



Shown With
Frame #55

- 1 1950s retro styling
- 2 Removable Rx insert
- 3 Insert available with +1.00 through +4.00 diopter lenses or secondary filter

CE Rating	Wavelength & OD	Color
180-315 D LB6 + R LB4 >315-399 D LB5 + IR LB6 800-830 D LB4 + IR LB5 805-825 D LB5 + IRM LB7	190-400 5+ 800-830 5+ 805-825 7+	Yellow
		Material
		Polycarbonate
		VLT
		69%

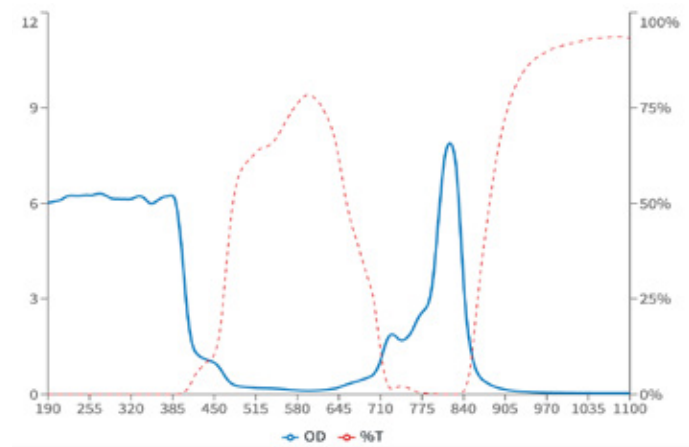


Filter DI8

CE Rating	Wavelength & OD	Color
180-315 D LB6 + R LB4 >315-400 DR LB4 720-725 DM LB5 720-750 + >1064-1075 IR LB5 >725-1075 DM LB6 >750-1064 IRM LB7 S	180-400 6+ 720-1090 5+ 750-1064 7+	Amber
		Material
		Polycarbonate
		VLT
		25%



Filter YG2



Available in these and other frames

Frame #53X

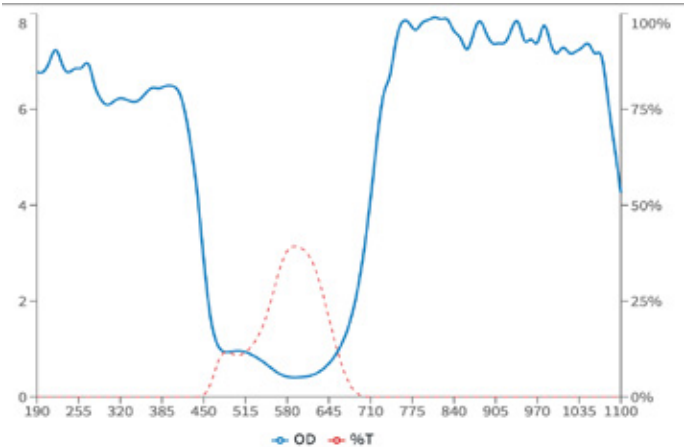
Frame #38

Frame #33W

Frame #41

Frame #48

Frame #52



Available in these and other frames

Frame #43

Frame #53X

Frame #45

Frame #72

Frame #44

Frame #38

Filter BTL



Shown With
Frame #53

- 1 Comfortable fit over Rx glasses or alone
- 2 Comfort fit soft temples
- 3 Superior temple coverage

CE Rating	Wavelength & OD	Color
670-695 DIR LB2 805-820 D LB6 + IR LB7Y 915-1075 DI LB6 + R LB6Y 760-1100 DIR LB4 775-1085 DIR LB5 S	670-695 2+ 760-1100 4+ 775-1085 5+ 915-1075 6+ 805-820 7+	Green
		Material
		Polycarbonate
		VLT
		36%



Filter BTL

Filter EC3



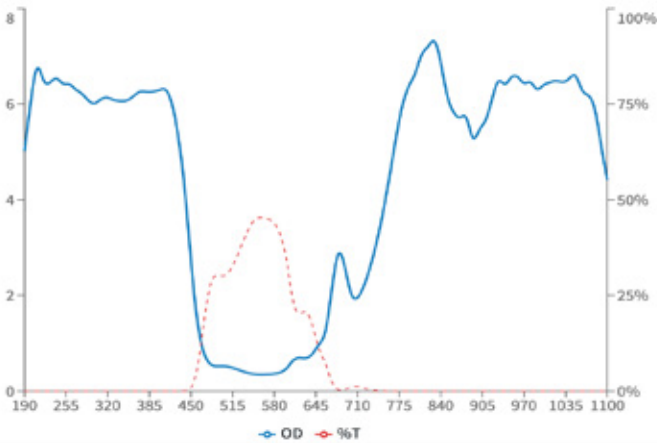
Shown With
Frame #37

- 1 Comfortable fit over Rx glasses or alone
- 2 Superior temple coverage

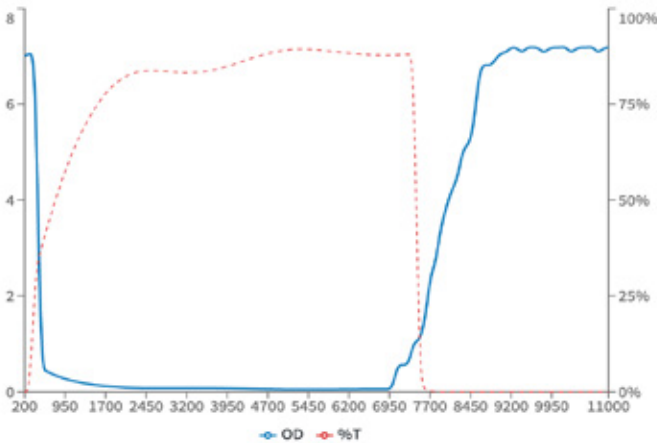
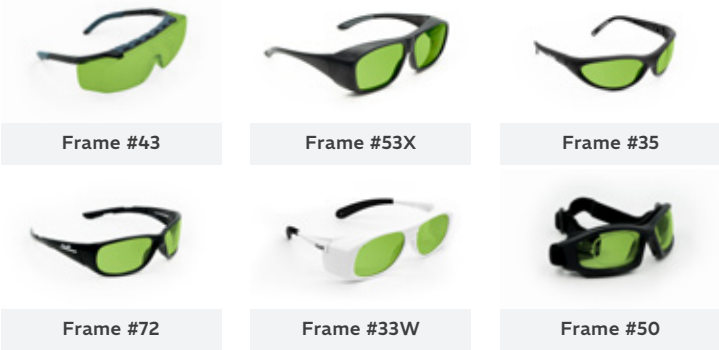
CE Rating	Wavelength & OD	Color
190-315 D LB7 + IR LB3 >315-375 DIRM LB5 9000-11000 DI LB4 S	190-380 5+ 9000-11000 7+	Clear
		Material
		Polycarbonate
		VLT
		90%



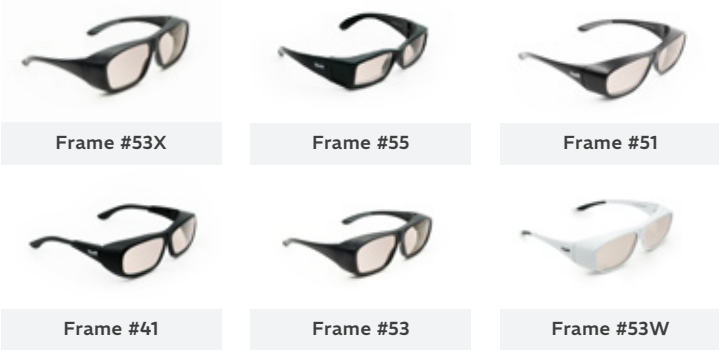
Filter EC3



Available in these and other frames



Available in these and other frames



Filter IRD



Shown With
Frame #48

- 1 Vented to reduce fogging
- 2 Ratchet temples to adjust fit angle
- 3 Wide field of view with protection that meets all angular requirements
- 4 Extendable temple arms for the perfect fit

CE Rating	Wavelength & OD	Color
180-315 D LB6 + R LB4 >315-400 DR LB4 700-770 DIR LB1 >770-820 DIR LB2 >820-865 DIR LB3 >865-940 DIR LB4 >940-1064 DIRM LB5 >1064-1400 DIRM LB4 >1400-1840 DI LB2 >1840-1950 DI LB1 S	190-450 6+ 700-770 1+ >770-1840 2+ 820-1720 3+ 870-1600 4+ 940-1070 5+ >1840-1950 1+	Green
		Material
		Polycarbonate
		VLT
		19%



Filter IRD

Filter TRI



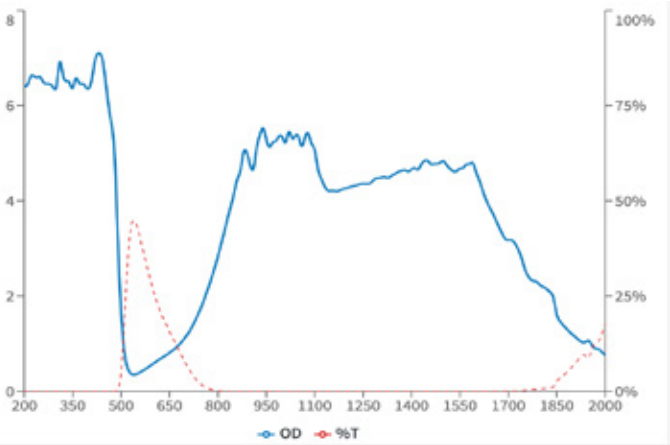
Shown With
Frame #56

- 1 Comfort fit soft nose pads and temples
- 2 Full orbital coverage

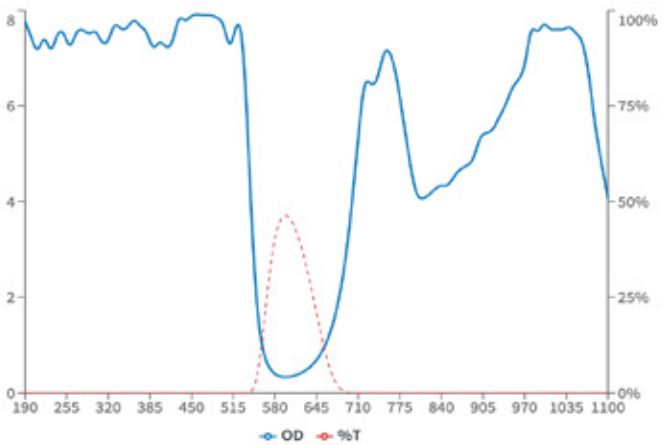
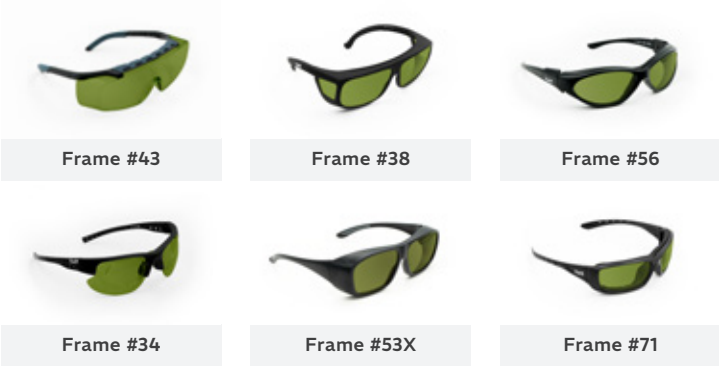
CE Rating	Wavelength & OD	Color
180-315 D LB7 + IR LB4 >315-400 DIRM LB5 >400-534 D LB5 + IRM LB6 720-770 + >850-1080 DIRM LB5 750-765 + 980-1065 D LB5 + IR LB7 + M LB7Y >770-850 DIRM LB4 S	180-534 7+ 720-770 5+ 750-760 7+ >770-850 4+ >850-1080 5+ 980-1064 7+	Amber
		Material
		Polycarbonate
		VLT
		22%



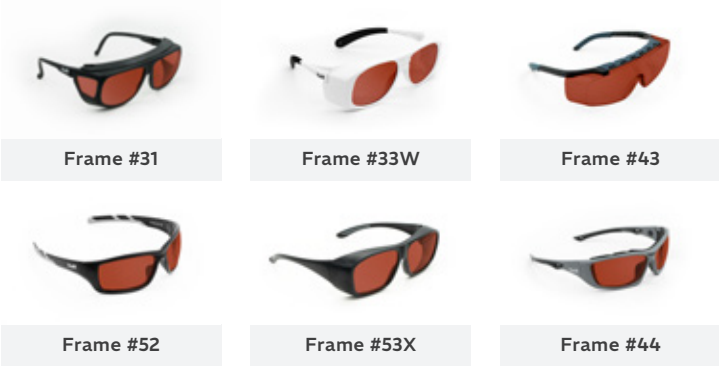
Filter TRI



Available in these and other frames



Available in these and other frames



Filter DI2



Shown With
Frame #50

- 1 Comfort fit
- 2 Removable insert for Rx lenses or secondary filter
- 3 Vented to prevent fogging

CE Rating	Wavelength & OD	Color
180-315 D LB6 + R LB4 >315-390 D LB4 + R LB6 785-800 + >818-830 D LB4 + I LB5 >800-818 DR LB5 + IM LB6 10600 DI LB2	180-390 6+ 785-830 5+ 800-818 6+	Pink
		Material
		Polycarbonate
		VLT
		61%



Filter DI2

Filter DBD



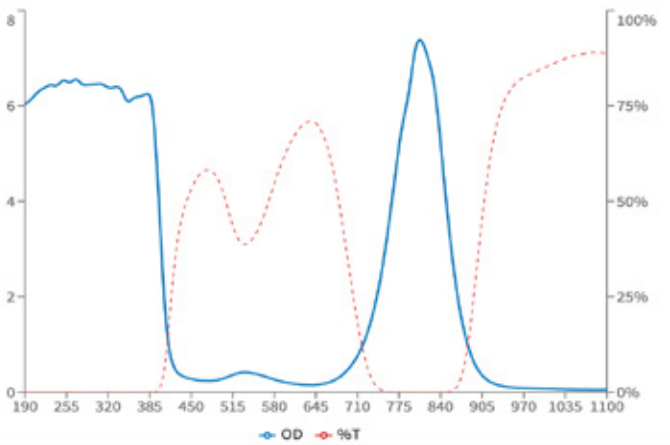
Shown With
Frame #46

- 1 Modern design
- 2 Adjustable bridge
- 3 Comfort fit temples

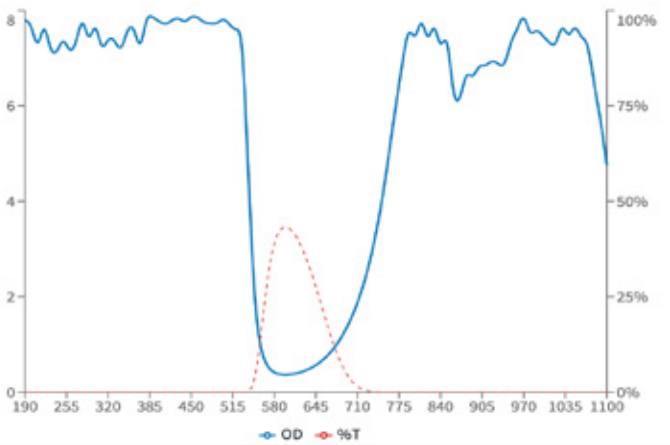
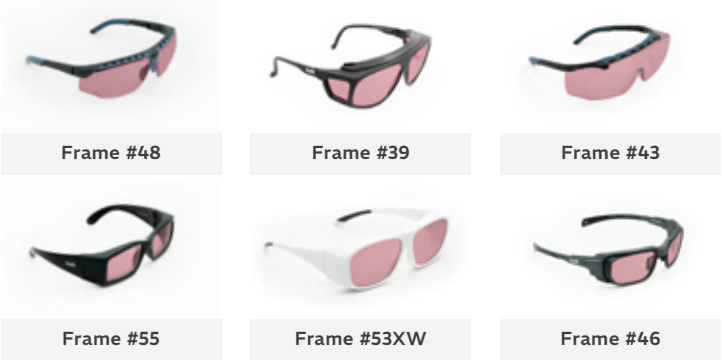
CE Rating	Wavelength & OD	Color
190-315 D LB7 + IR LB3 >315-532 D LB5 + IRM LB7 760-<770 + >1075-1085 DIR LB5 770-<800 + >820-960 DIRM LB6 >1064-1075 DIRM LB6 800-820 + >960-1064 D LB6 + IRM LB7 S	190-534 7+ 760-1090 5+ 790-850 7+ >850-960 6+ >960-1070 7+	Amber
		Material
		Polycarbonate
		VLT
		22%



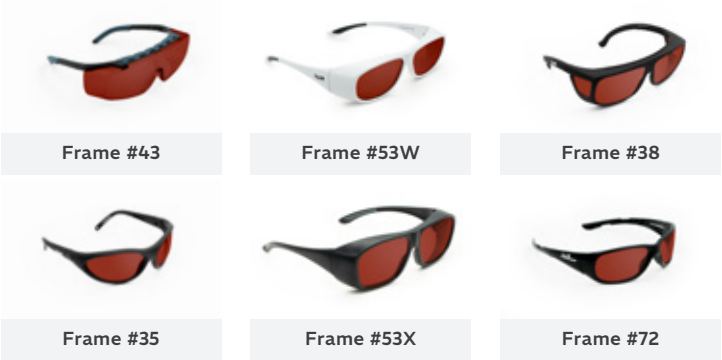
Filter DBD



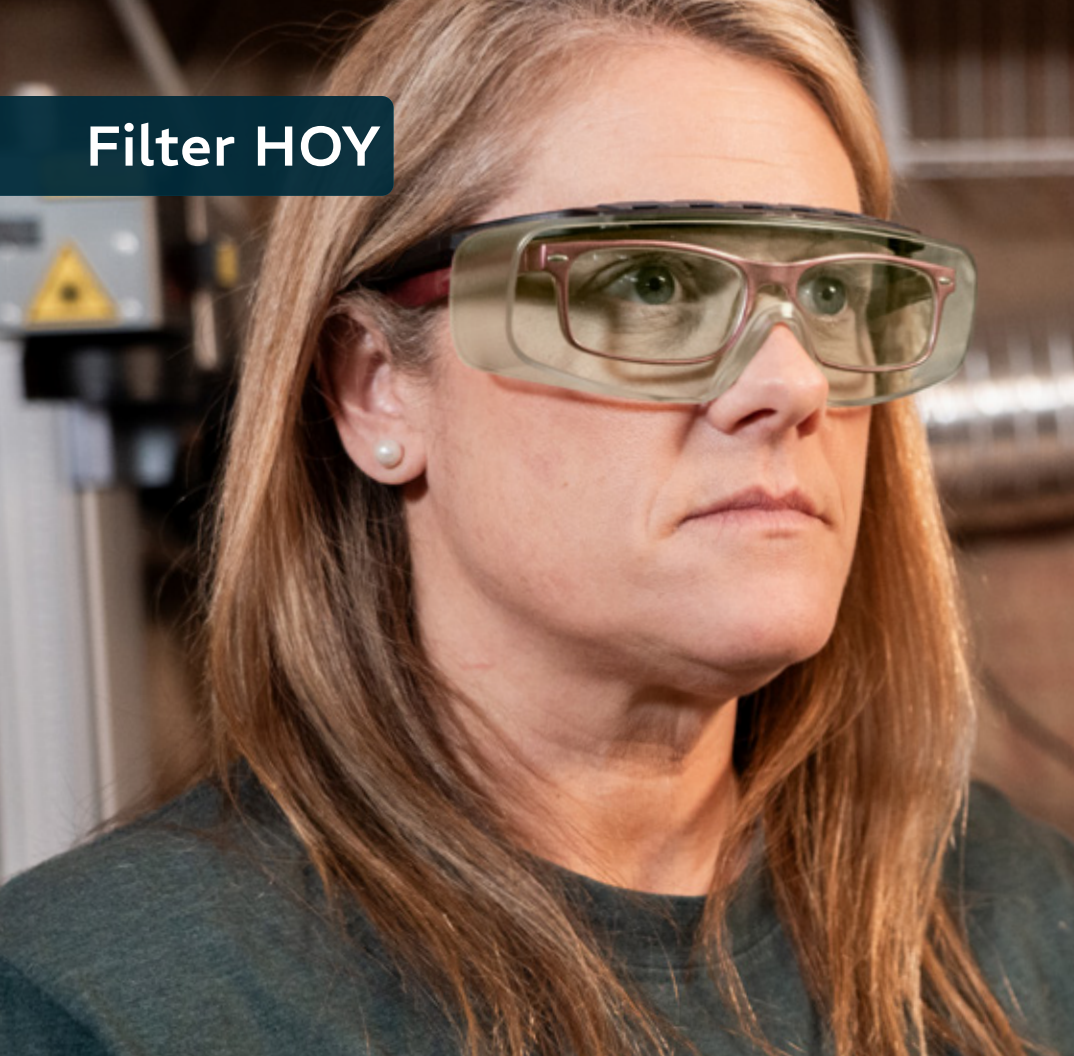
Available in these and other frames



Available in these and other frames



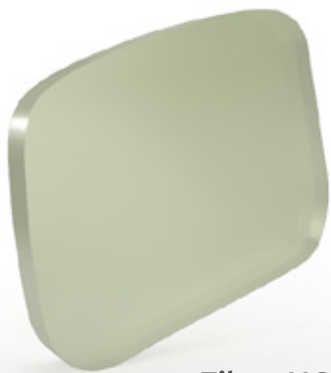
Filter HOY



Shown With
Frame #43

- 1 Articulated temples for the best fit
- 2 Wide field of view that meets all angular requirements
- 3 Padded, extendable temple arms for comfort

CE Rating	Wavelength & OD	Color
1400-1450 DI LB1 >1450-1650 DI LB2 >1650-1800 DI LB3 >1800-3000 + 5200-11000 DI LB4 S	190-400 5+ 1450-1650 2+ >1650-1775 3+ >1775-3000 4+ 1980-2550 5+ 5200-11000 5+ 9000-10600 6+	Grey
		Material
		Polycarbonate
		VLT
		41%



Filter HOY

Filter DI4



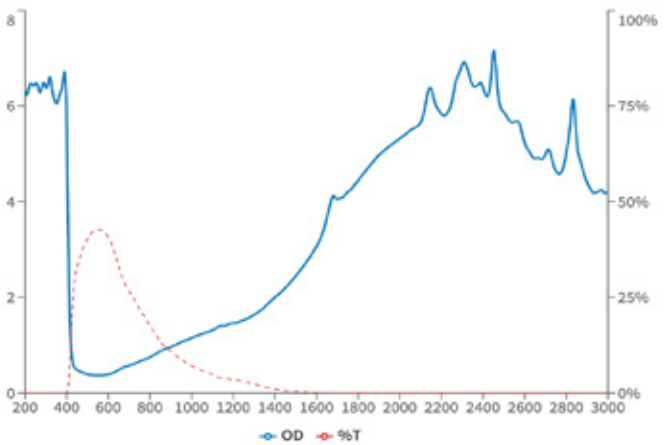
Shown With
Frame #53W

- 1 Comfortable fit over Rx glasses or alone
- 2 Comfort fit soft temples
- 3 Superior temple coverage

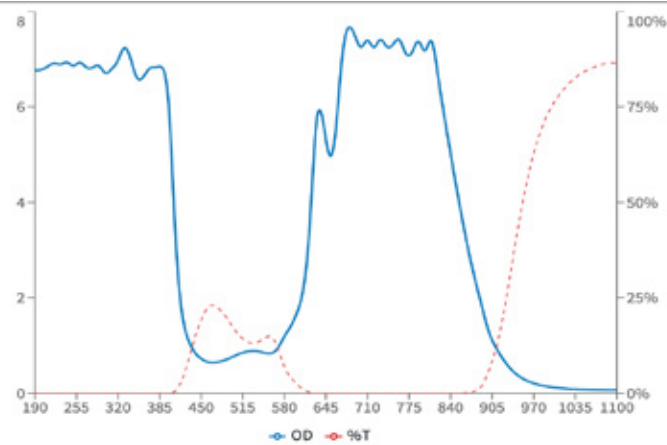
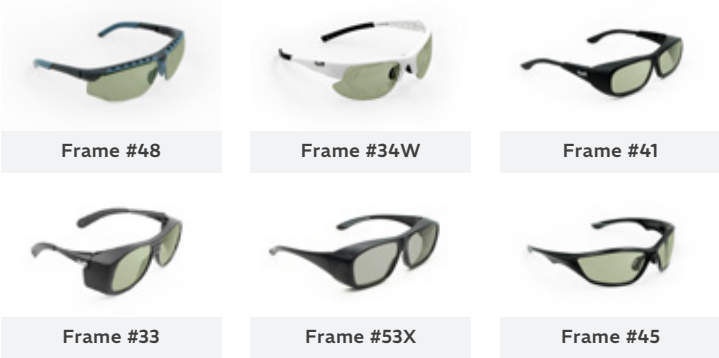
CE Rating	Wavelength & OD	Color
180-315 D LB7 + R LB3 >315-395 D LB5 + R LB6 625-670 + >800-830 I LB4 625-830 DR LB4 >670-800 I LB5 >830-850 DIR LB3 >850-860 DIR LB2 10600 DI LB2 S	190-400 5+ 625-850 4+ 633 5+ 662-835 5+	Blue
		Material
		Polycarbonate
		VLT
		12%



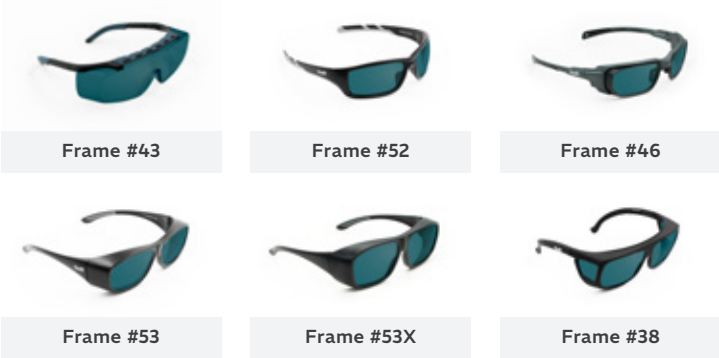
Filter DI4



Available in these and other frames



Available in these and other frames



Filter RB2



Shown With
Frame #45

- 1 Modern design
- 2 Adjustable comfort fit bridge
- 3 Adjustable temples

CE Rating	Wavelength & OD	Color
180-315 D LB6 + R LB4 >315-400 DR LB4 >615-660 DIR LB3 >660-665 DIR LB4 >665-715 D LB4 + IR LB5 694 IR LB7 S	190-400 6+ 615-720 3+ 651-670 4+ 671-715 5+ 680-710 6+ 690-700 7+	Aqua
		Material
		Polymer
		VLT
		35%



Filter RB2

Filter PWV



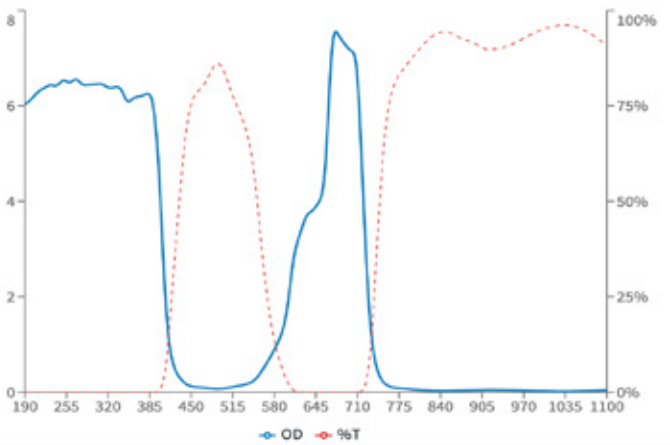
Shown With
Frame #38W

- 1 Comfortable fit over Rx glasses or alone
- 2 Adjustable temples
- 3 Side-shields for wide field of view

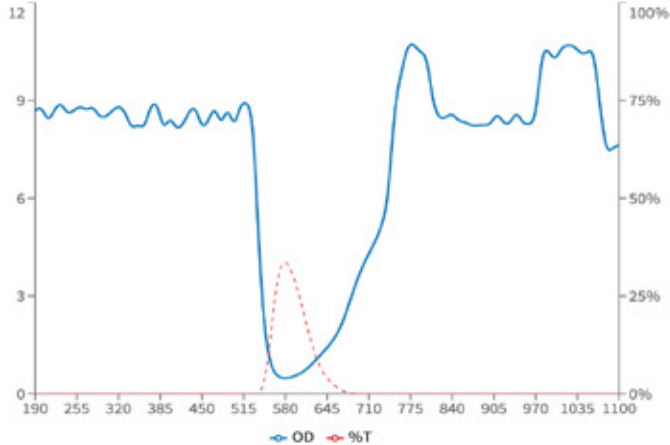
CE Rating	Wavelength & OD	Color
315-532 D LB6 + IR LB8 + M LB7Y 533-535 + 730-744 DIRM LB5 745-750 DIRM LB6 751-754 DIRM LB7 755-1100 D LB7 + I LB9 + R LB8 + M LB8Y S	190-532 8+ 730-1110 5+ 745-1100 7+ 753-765 9+ >765-800 10+ >800-980 8+ >980-1065 10+	Amber
		Material
		Polymer
		VLT
		13%



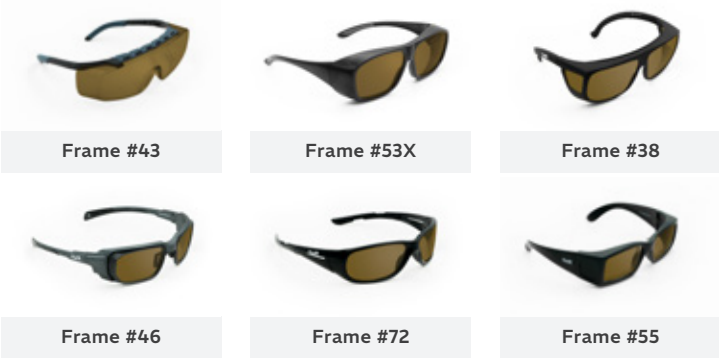
Filter PWV



Available in these and other frames



Available in these and other frames



Filter DIA



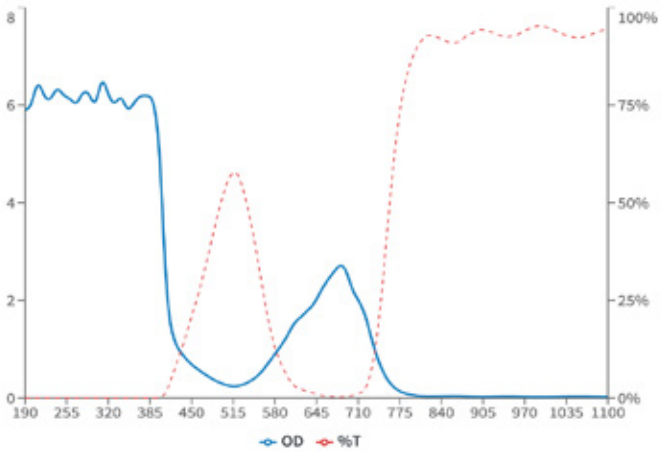
Shown With
Frame #35

- 1 Adjustable temple length and angle
- 2 Face-hugging lens curvature for a snug fit

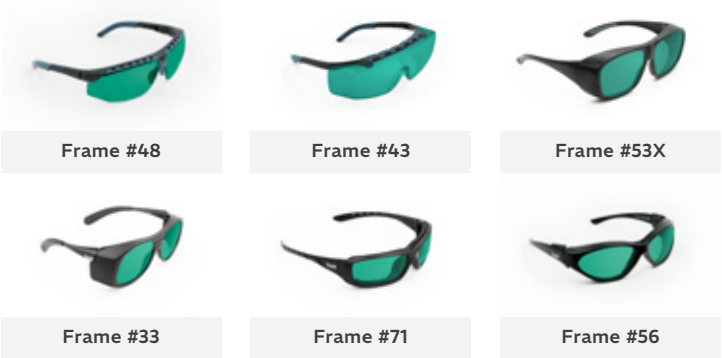
CE Rating	Wavelength & OD	Color
180-315 D LB6 + R LB4 >315-395 DR LB4 0.01W 2*10E-6J 605-642 RB1 0.1W 2*10E-5J 648-695 RB2 S	190-380 5+ 630-700 1.5+	Blue
		Material
		Polycarbonate
		VLT
		39%



Filter DIA



Available in these and other frames



Filter ARG



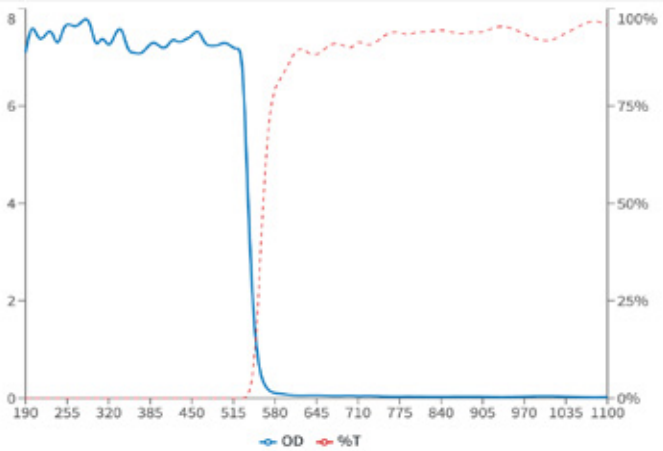
Shown With
Frame #52

- 1 Comfort fit temples
- 2 Wrap-around style for a close to the face fit

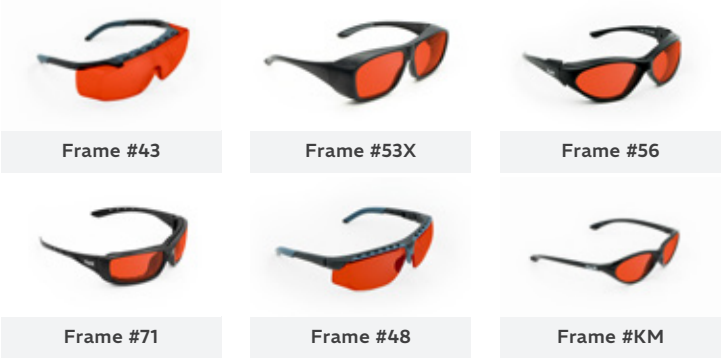
CE Rating	Wavelength & OD	Color
180-315 D LB7 + IR LB4 >315-532 DIRM LB6 S	180-532 7+	Orange
		Material
		Polycarbonate
		VLT
		48% Photopic 9% Scotopic



Filter ARG



Available in these and other frames





Brushed Stainless Steel for Laser & IPL treatments

- 1 Movable bridge
- 2 Adjustable width
- 3 Protective case and extra silicone comfort rings included

EN 12254 Rating	Wavelength & OD	Material
180-315 D LB9 + R LB3 >315-1400 D LB6 + IRM LB7 >1400-10600 DI LB4	190-10600nm OD 7+	Stainless Steel



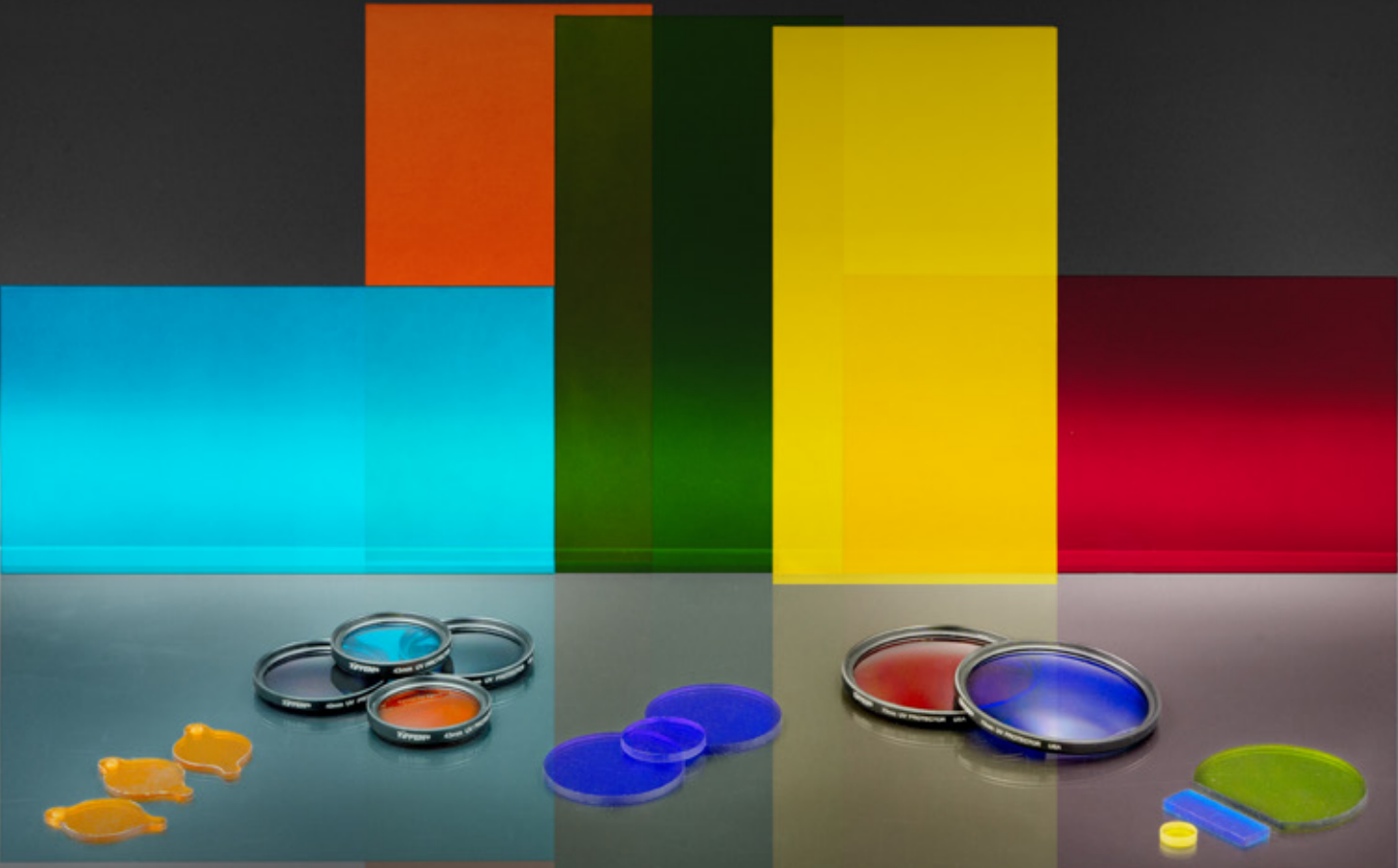
Fiber Reinforced Polymer for Laser & IPL treatments.

- 1 Cost-effective
- 2 Comfort fit
- 3 Reusable

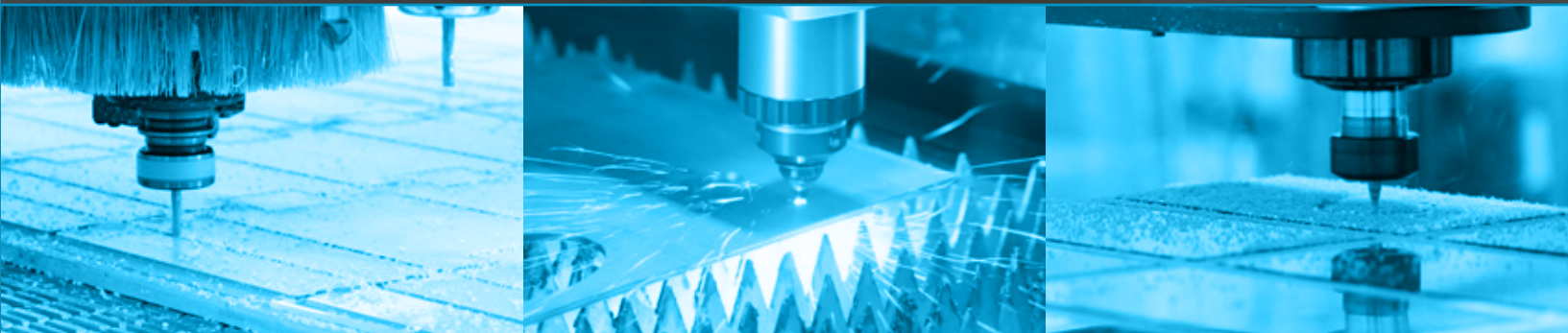
EN 12254 Rating	Wavelength & OD	Material
190-315 D LB8 + IR LB4 >315-1400 D LB6 + IR LB7 + M LB7Y >1400-11000 DI LB3	190-10600nm OD 7+	Polymer

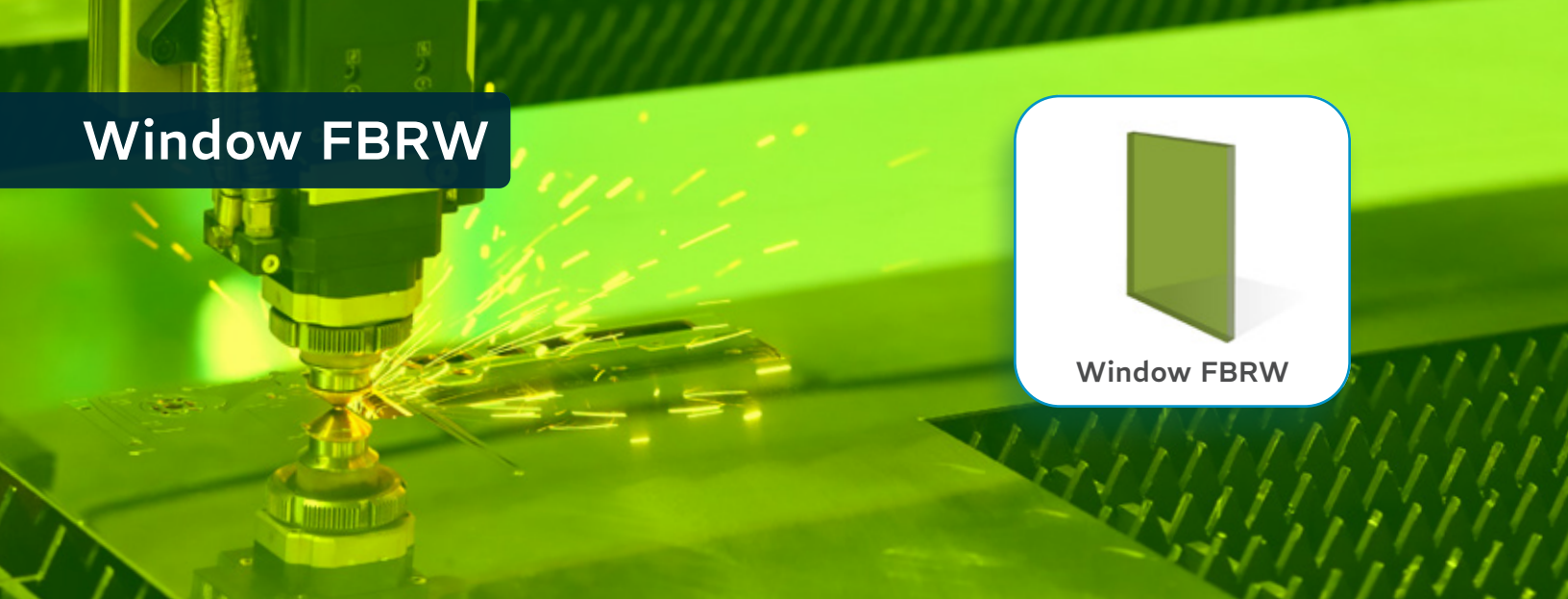
NoIR provides acrylic and polycarbonate laser windows, perfect for enclosing laser for demonstration and safe viewing of laser environments, as well as flat lens filters for smaller cuts. We also offer precision cuts and CNC-machined parts for specialty applications.

- 1 Laser Safety Windows available in stock at 24" by 36" with an option to order sizes up to 36" by 48" for select filters
- 2 Flat Lenses available in stock at 100 x 200 3mm, with custom cuts per request



- 3 Special and Precision Cuts with tight tolerances for specialized optical parts
- 4 Camera Rings to allow photographers to mount filters for enhancement/absorption into camera lens rings
- 5 CNC Machining to accommodate intricate shapes

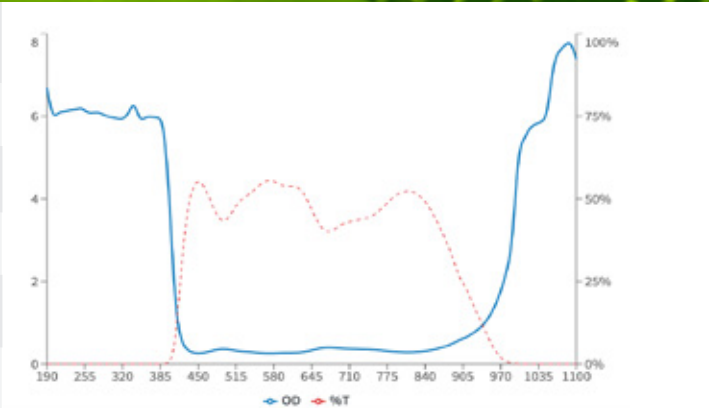




Window FBRW



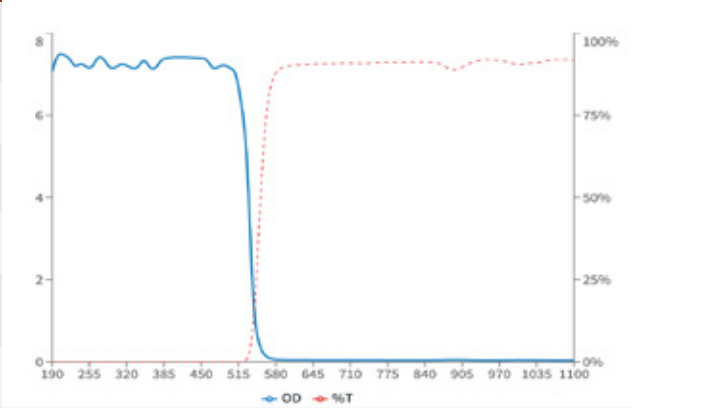
EN 12254 Rating	Wavelength & OD	Color
D AB4 + IR AB6 + M AB6Y 1000 - 1150 D AB4 + IR AB7 + M AB7Y 1060 - 1100 DI AB2 10600	1000-1150 OD 5+ 1060-1100 OD 7+ 10600 OD 5+	Green
	Material	Acrylic
	VLT	50%



Window ARW



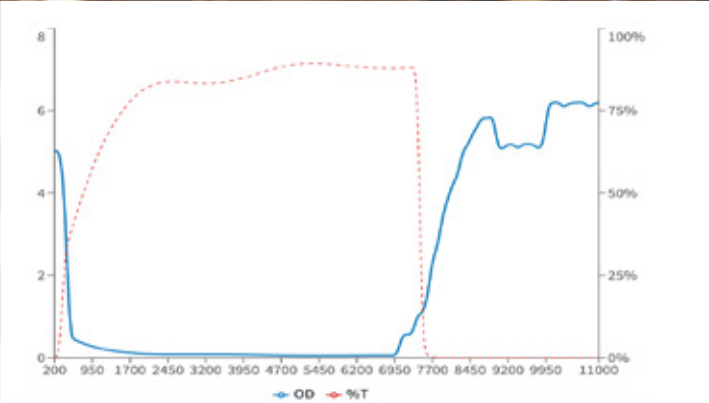
EN 12254 Rating	Wavelength & OD	Color
D AB7 + IR AB3 190– 315 D AB5 + IR AB7 + M AB7Y >315– 515 D AB5 + IR AB6 + M AB6Y >515– 526 DIR AB5 + M AB5Y >526–532 DIR AB4 + M AB4Y >532 – 535 DI AB2 10600	190-515 OD 7+ 516-525 OD 6+ 526-532 OD 5+ 533-535 OD 4+ 10600 OD 5+	Orange
	Material	Acrylic
	VLT	41%



Window ECWP



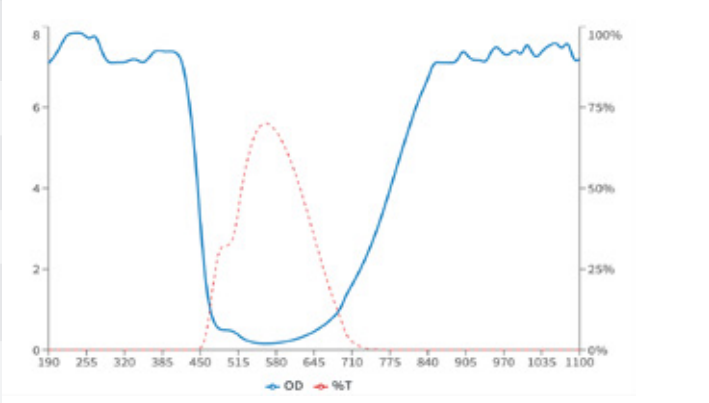
EN 12254 Rating	Wavelength & OD	Color
D AB7 + IR AB3 190– 315 DIR AB5 + M AB5Y >315 – 360 DI AB3 9000– 11000	190-360 OD 5+ 9000-11000 OD 5+	Clear
	Material	Polycarbonate
	VLT	90%

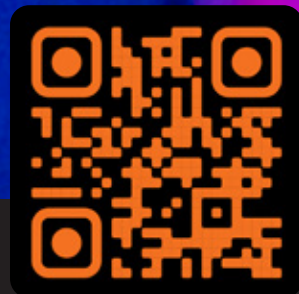


Window YAGW



EN 12254 Rating	Wavelength & OD	Color
D AB8 + I RM AB3 180-315 D AB5 + I AB8 + RM AB7 316-428 D AB5 + I RM AB6 429-441 DIRM AB1 669-713 DIRM AB3 740-1115 DIRM AB4 761-1102 DIRM AB5 779-1050 D AB5 + I RM AB7 811-1050 See website for full CE ratings.	200-400 OD 7+ 850-1100 OD 7+ 9000-10600 OD 5+	Green
	Material	Acrylic
	VLT	50%





- +1.734.769.5565
- noirinsight.com
- info@noirinsight.com
- 4975 Technical Dr. Milford, MI 48381 USA

