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Introduction

Laser Filters

Windows & Custom



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.

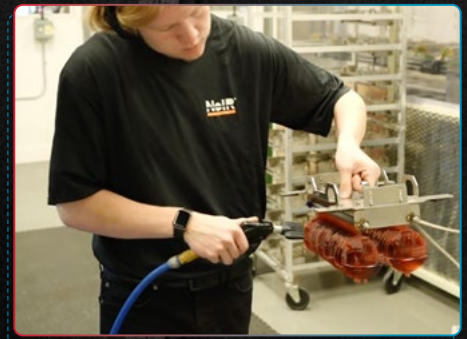
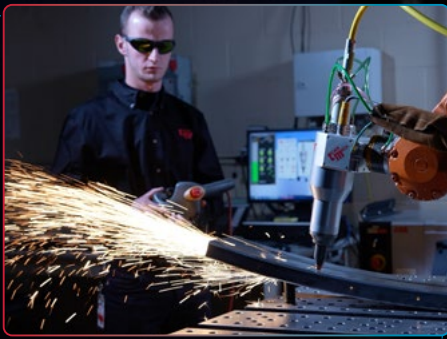
5 Private Labeling & OEM Partnerships

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.

NoIR



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

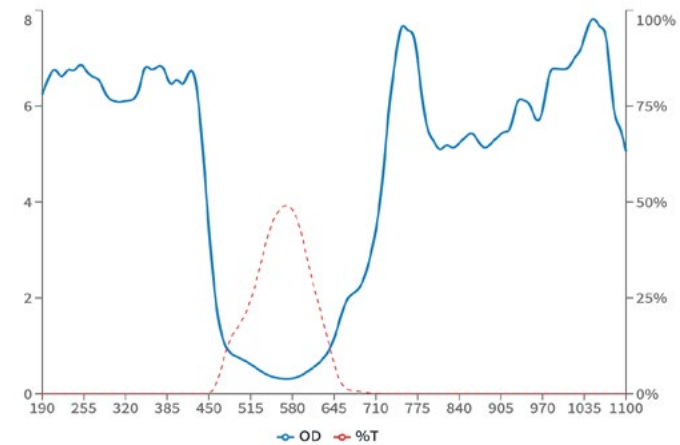




Shown With Frame 53X

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

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%



Available in these and other frames



Frame #55



Frame #46



Frame #53X



Frame #41



Frame 53



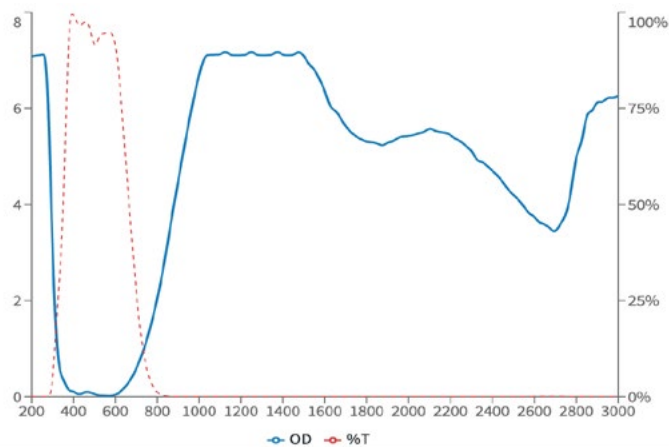
Frame #1+1



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



Available in these and other frames



Frame #55



Frame #46



Frame #53X



Frame #41



Frame #53



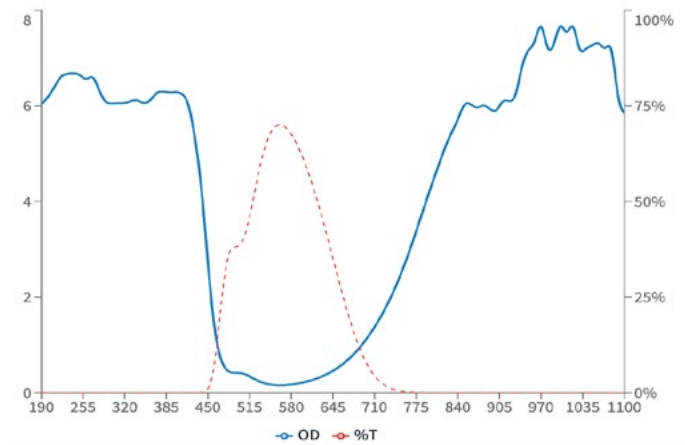
Frame #37



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	190-400 5+	Green
>315-425 DIRM LB5	808-840 4+	Material Polycarbonate
790-<808 DIRM LB3	>840-950 5+	
808-840 DIRM LB4	>950-1080 7+	
>840-950 DIRM LB5	>1080-1090 5+	
>950-1080 D LB6 + IRM LB7		VLT 59%
>1080-1090 DIRM LB5 S		



Available in these and other frames



Frame #31



Frame #38W



Frame #43



Frame #53



Frame #33W



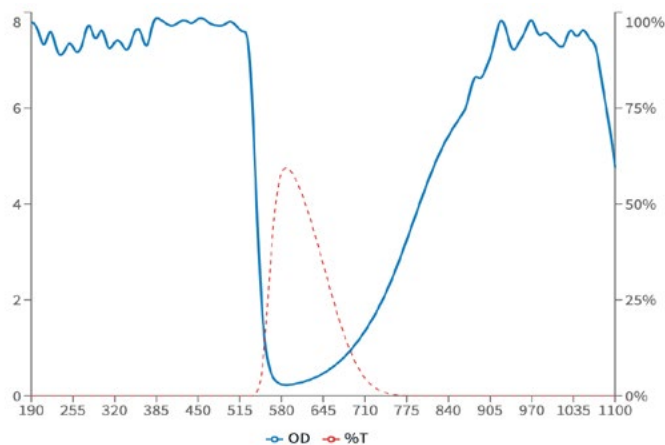
Frame #48



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%



Available in these and other frames



Frame #55



Frame #43



Frame #35



Frame #53X



Frame #33W



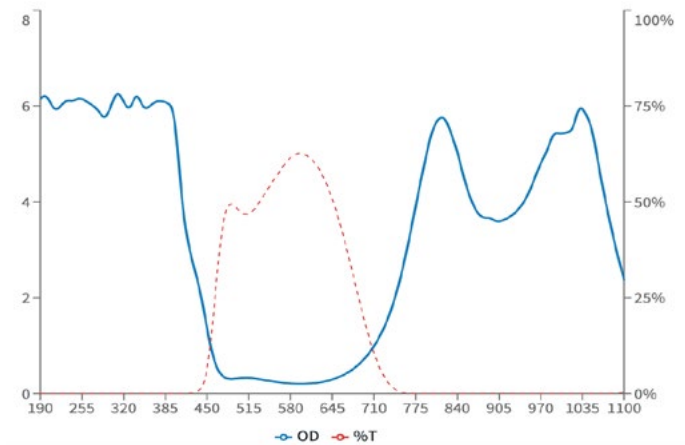
Frame #38



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

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



Available in these and other frames



Frame #44



Frame #43



Frame #72



Frame #53X



Frame #52



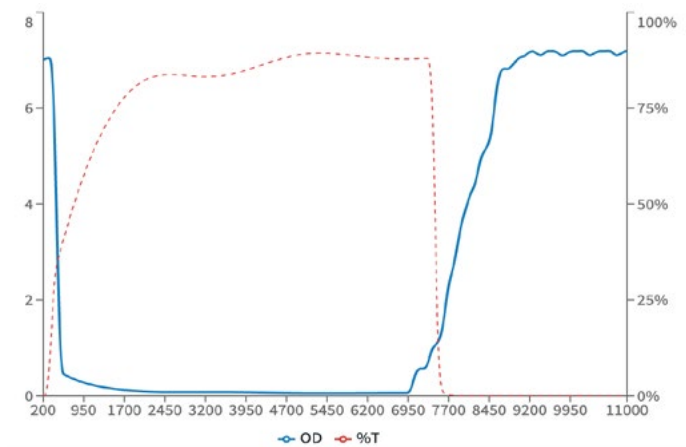
Frame #31



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
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%



Available in these and other frames



Frame #38W



Frame #43



Frame #34



Frame #53



Frame #46

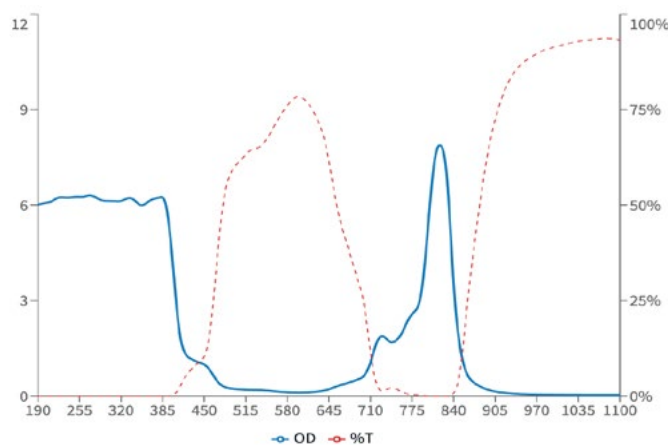


Frame #31

Shown With Frame #72

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

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%



Available in these and other frames



Frame #53X



Frame #38



Frame #33W



Frame #41



Frame #48



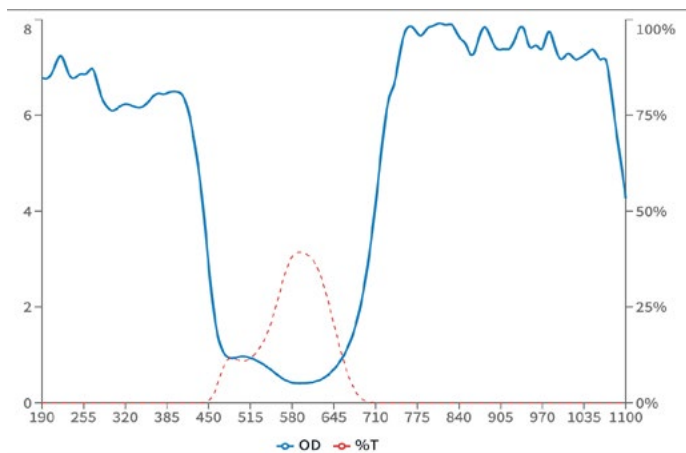
Frame #52



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 >315-400 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%



Available in these and other frames



Frame #43



Frame #53X



Frame #45



Frame #72



Frame #44



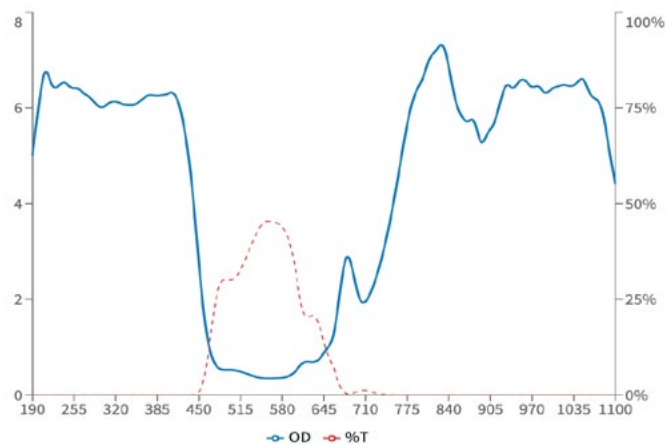
Frame #38



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%



Available in these and other frames



Frame #43



Frame #53X



Frame #35



Frame #72



Frame #33W



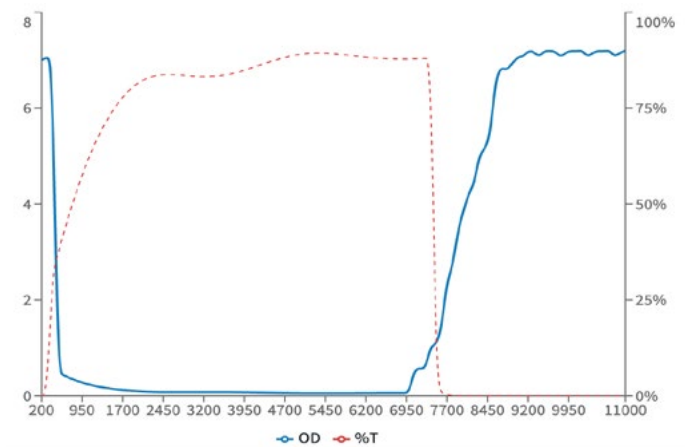
Frame #50



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%



Available in these and other frames



Frame #53X



Frame #55



Frame #51



Frame #41



Frame #53



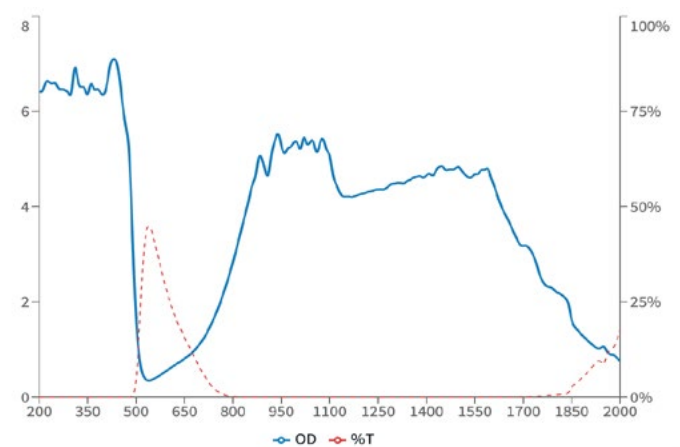
Frame #53W



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%



Available in these and other frames



Frame #43



Frame #38



Frame #56



Frame #34



Frame #53X



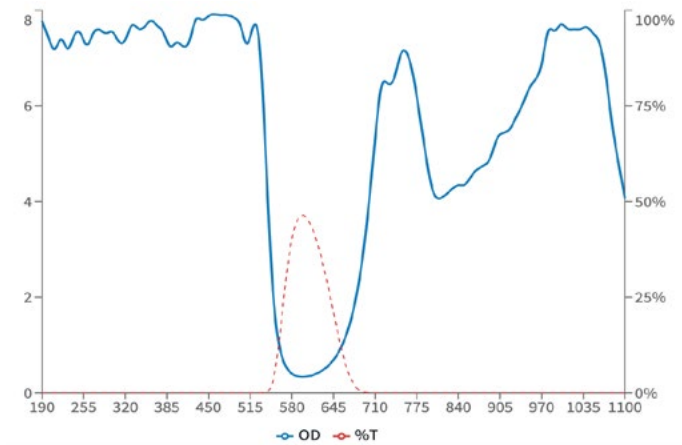
Frame #71



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%



Available in these and other frames



Frame #31



Frame #33W



Frame #43



Frame #52



Frame #53X



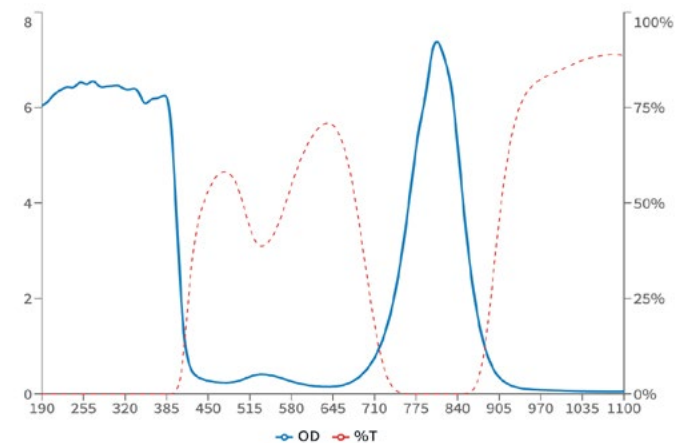
Frame #44



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%



Available in these and other frames

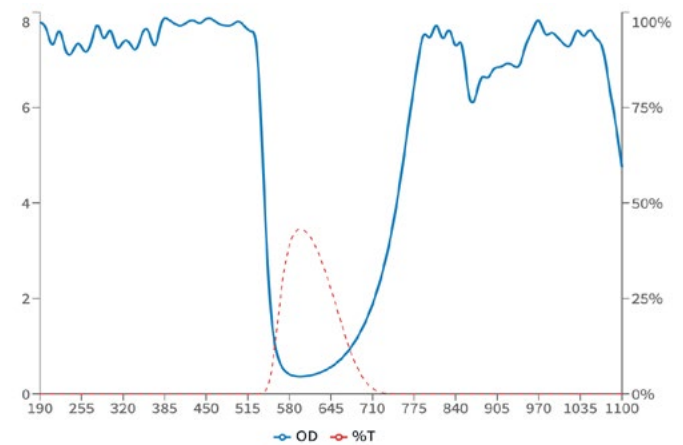




Shown With Frame #46

- 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%



Available in these and other frames



Frame #43



Frame #53W



Frame #38



Frame #35



Frame #53X



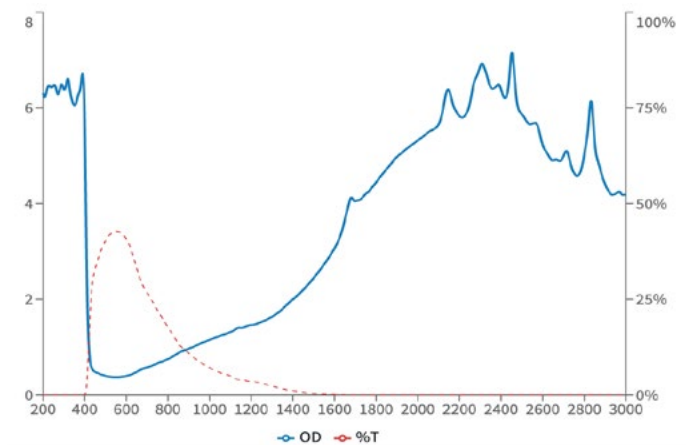
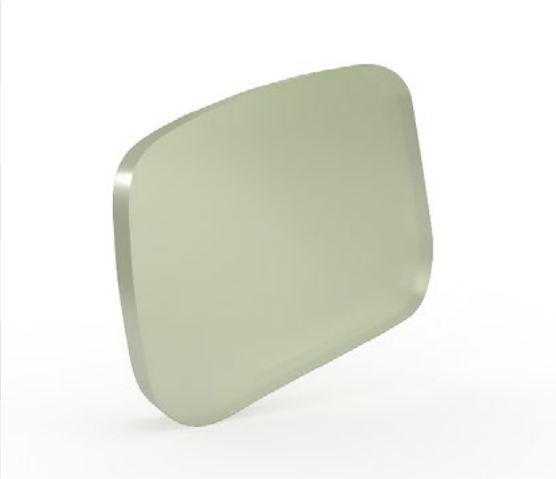
Frame #72



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%



Available in these and other frames



Frame #48



Frame #34W



Frame #41



Frame #33



Frame #53X



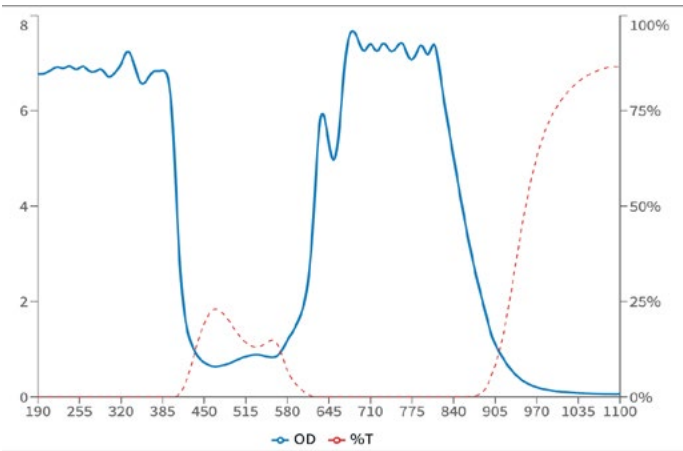
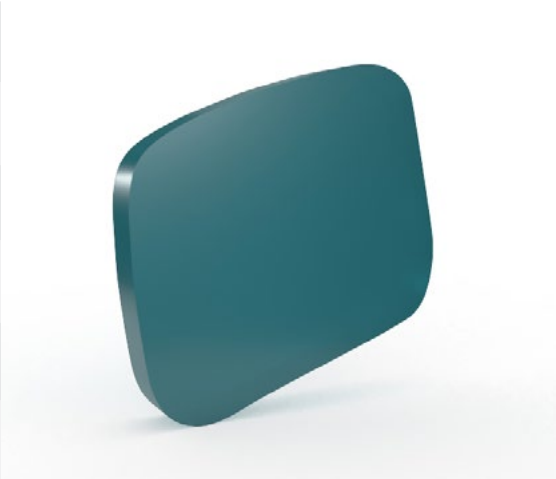
Frame #45



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%



Available in these and other frames



Frame #43



Frame #52



Frame #46



Frame #53



Frame #53X



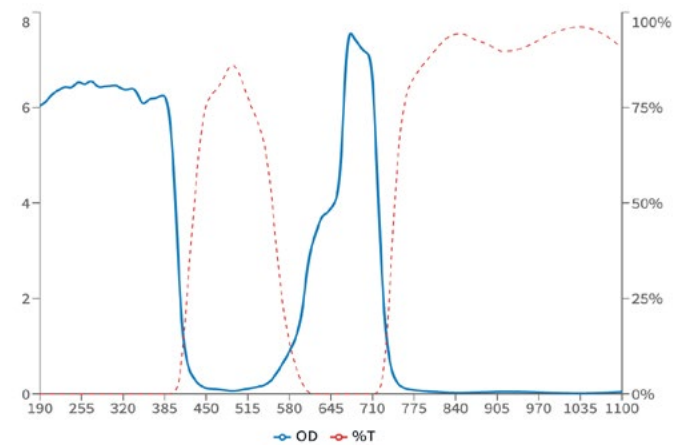
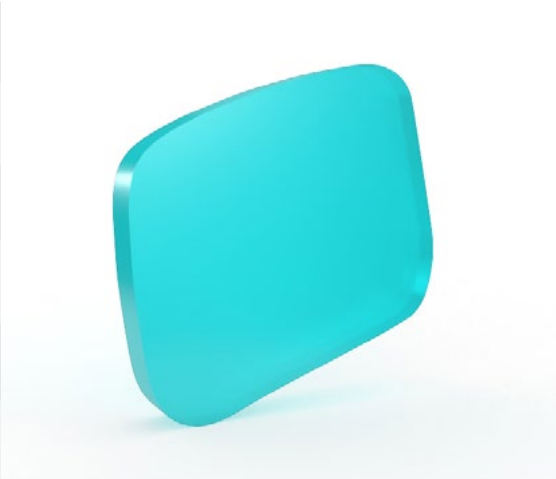
Frame #38



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%



Available in these and other frames



Frame #43



Frame #53W



Frame #35



Frame #44



Frame #53X



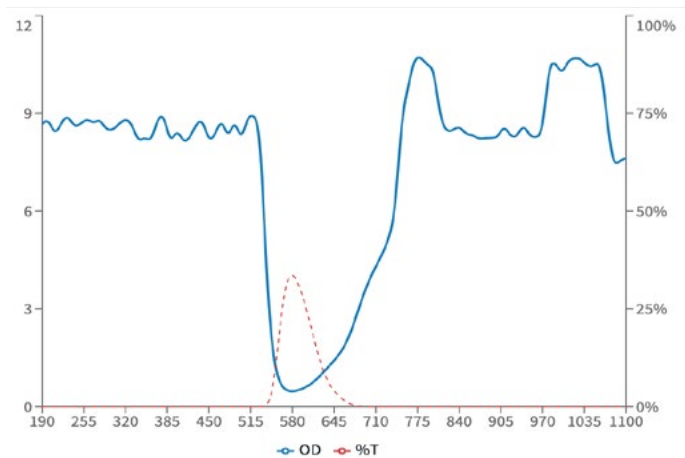
Frame #38



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



Available in these and other frames



Frame #43



Frame #53X



Frame #38



Frame #46



Frame #72



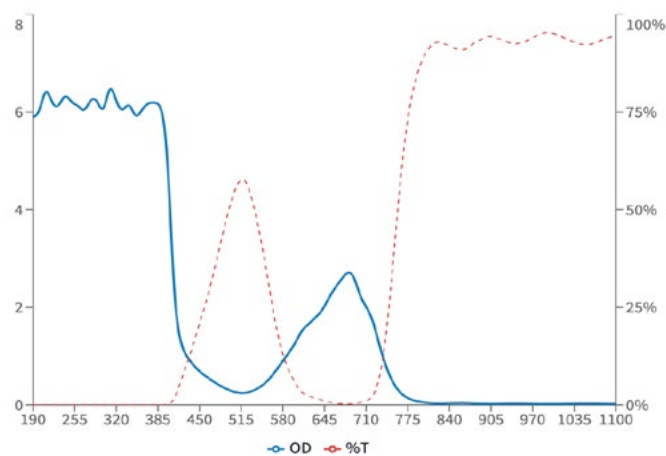
Frame #55



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%



Available in these and other frames



Frame #48



Frame #43



Frame #53X



Frame #33



Frame #71



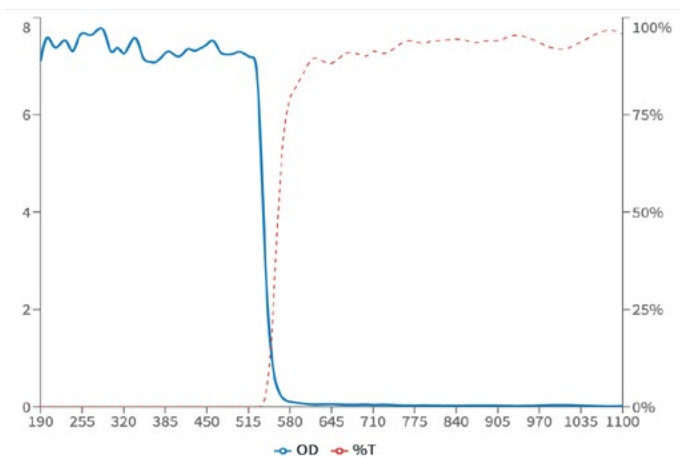
Frame #56



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



Available in these and other frames



Frame #43



Frame #53X



Frame #56



Frame #71



Frame #48



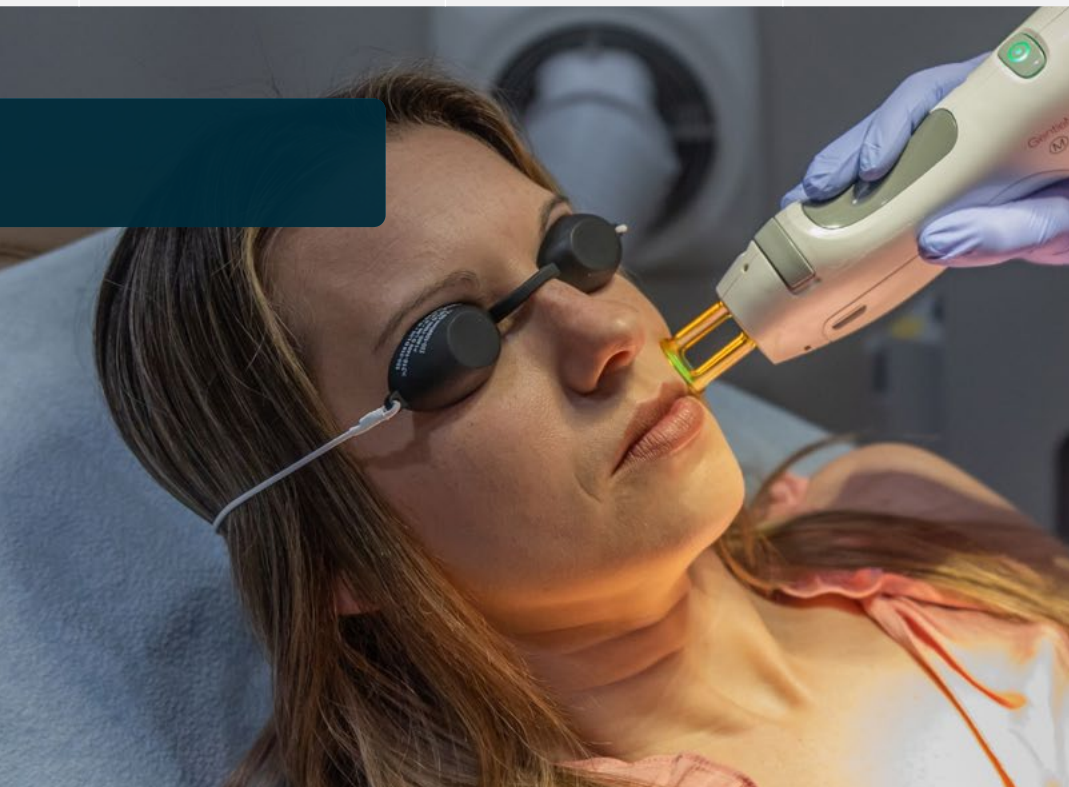
Frame #KM



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

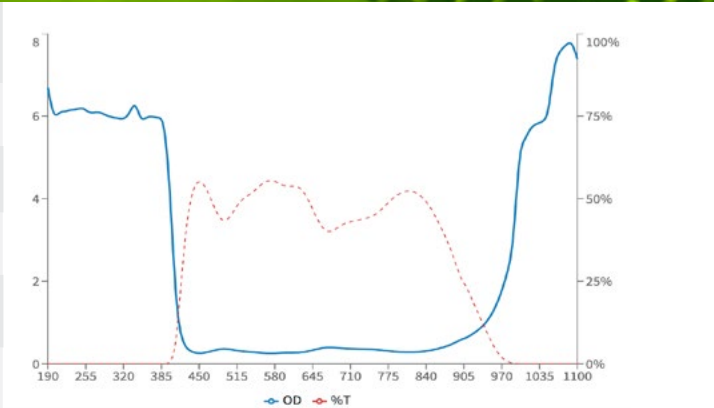
5

CNC Machining
to accommodate intricate shapes

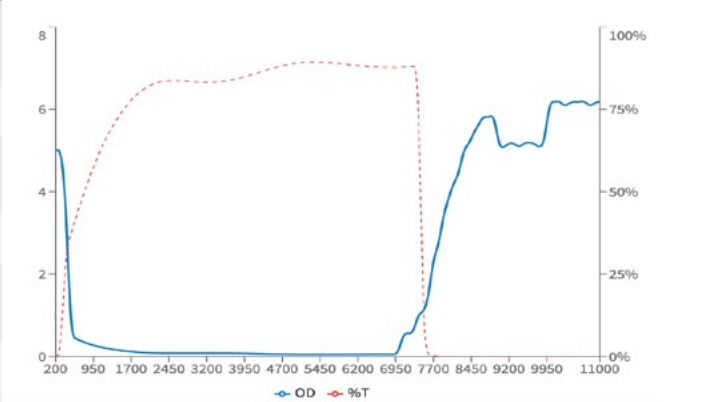




EN 12254 Rating	Wavelength & OD	Color
D AB4 + IR AB6 + M AB6Y 1000 - 1150	1000-1150 OD 5+	Green
D AB4 + IR AB7 + M AB7Y 1060 - 1100	1060-1100 OD 7+	Material
DI AB2 10600	10600 OD 5+	Acrylic
		VLT
		50%



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





EN 12254 Rating

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

Wavelength & OD

190-515 OD 7+
516-525 OD 6+
526-532 OD 5+
533-535 OD 4+
10600 OD 5+

Color

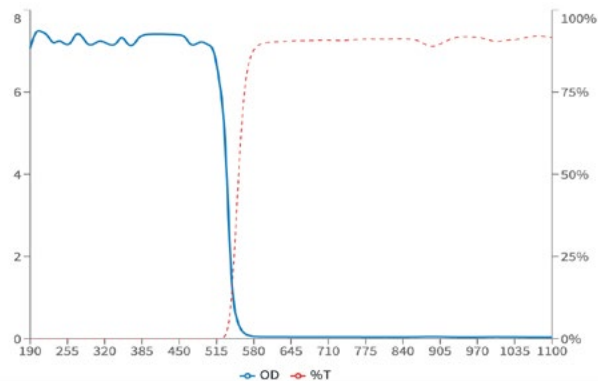
Orange

Material

Acrylic

VLT

41%



EN 12254 Rating

D AB8 + IRM AB3 180-315
D AB5 + I AB8 + RM AB7 316-428
D AB5 + IRM AB6 429-441
DIRM AB1 669-713
DIRM AB3 740-1115
DIRM AB4 761-1102
DIRM AB5 779-1050
D AB5 + IRM AB7 811-1050
See website for full CE ratings.

Wavelength & OD

200-400 OD 7+
850-1100 OD 7+
9000-10600 OD 5+

Color

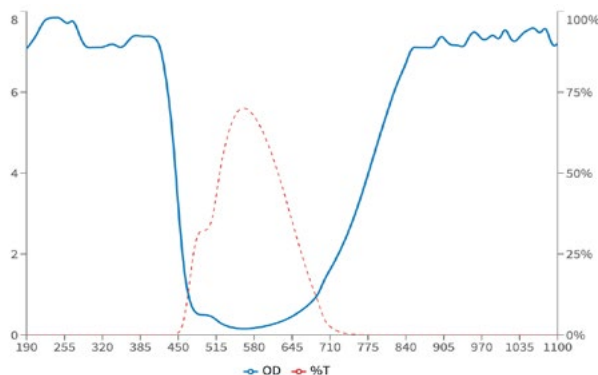
Green

Material

Acrylic

VLT

50%





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