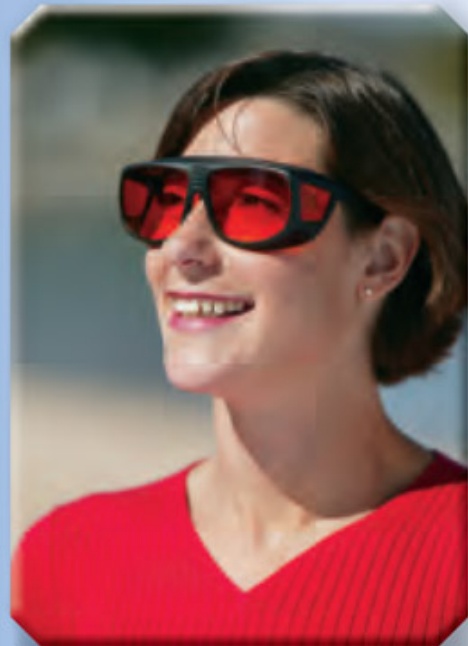


NoIR

400nm

800nm



www.noir-medical.com

2

**AVAILABLE
STYLES**



#30 Non-fitover



#31 Small fitover



#36 Medium adjustable fitover



#38 Large adjustable fitover



#39 X-Large fitover



#35 Wrap Around



#34 Wrap with RX insert



KS Small/KM Medium
Child Frame

NoIR Medical Technologies UVShields

100% UV PROTECTION

FILTER COLORS

www.noir-medical.com

10



90% Clear
Full UV protection with
no reduction in visibility

20



58% Light Grey
Relieves indoor glare
Helpful under fluorescent lighting

21



32% Medium Grey
Soothing color sharpens focus
Excellent glare protection

22



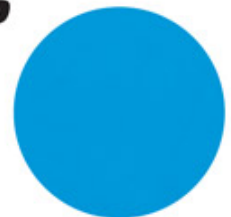
13% Dark Grey
Extremely comfortable color
Cuts glare and sharpens focus
with natural color rendition

23



4% Dark Grey
Comfortable color for extreme
light sensitivity
Cuts glare-natural color rendition

26



30% Blue
Relief for Achromatopsia

38



58% Light Grey-Green
Glare protection with
natural color rendition

30



7% Grey-Green
Glare protection with
a low visible light transmission

33



4% Dark Grey-Green
Glare protection
for the extremely light-sensitive

48



53% Light Amber
Heightens contrast
for indoor use

40



16% Amber
All purpose sunglass
heightens contrast and
relieves glare *BBP

43



4% Dark Amber
Heightens contrast and
relieves glare for the light-sensitive
*BBP

WHERE TO ORDER:

Mattingly Low Vision
888-6420842
Fax 760-888-4955

HOW TO ORDER:

Choose filter color and style.
Example:
81 lens with #38 frame.

***BBP = Blue Blocker Protection**

Percents (%) represent the amount of visible light transmitted through each lens.

NoIR Medical Technologies UVShields

100% UV PROTECTION

3

AVAILABLE
STYLES

FILTER COLORS

www.noir-medical.com

58



65% Light Yellow

Heightens contrast
Provides maximum brightness
and enhances visual acuity

50



54% Yellow

Heightens contrast
Provides maximum brightness
and enhances visual acuity ***BBP**

53



4% Dark Yellow

Combines contrast enhancement
with glare reduction for enhanced
visual acuity ***BBP**



N-Series non-fitover

68



52% Light Orange

Intensifies backgrounds for enhanced
visual acuity and increased contrast
Helpful for reading ***BBP**

60



49% Orange

Intensifies backgrounds for enhanced
visual acuity and increased contrast
Helpful for reading ***BBP**

63



4% Dark Orange

Intensifies backgrounds for enhanced
visual acuity and increased contrast
***BBP**



S-Series Small fitover

88



40% Light Plum

Good contrast and
realistic color rendition
Excellent indoor filter

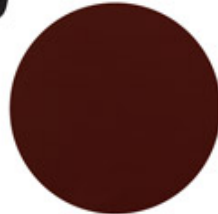
81



20% Plum

General purpose filter
Glare reduction for enhanced
visual acuity ***BBP**

80



4% Plum

Contrast enhancement and
glare relief for the light-sensitive
Approved filter for PDT



U-Series Medium fitover



L-Series Large fitover

98



59% Light Red

For rod monochromats and
achromats. Relieves blur caused by
blues, greens and yellows

90



45% Red

For rod monochromats and
achromats. Relieves blur caused by
blues, greens and yellows

93



4% Red

For rod monochromats and
achromats. Relieves blur caused by
blues, greens and yellows



200 Series non-fitover



#21 Large and
#17 Small Flip-up Clip-on



#18 Small
#19 Medium
#20 Large Hook-Ons

WHERE TO ORDER:

Mattingly Low Vision
888-6420842
Fax 760-888-4955

HOW TO ORDER:

Choose filter color and style.
Example:
81 lens with #38 frame.

**ANY LENS
IN ANY
STYLE**

***BBP = Blue Blocker Protection**

Percents (%) represent the amount of visible light transmitted through each lens.

4

**AVAILABLE
STYLES**



#30 Non-fitover



#31 Small fitover



#36 Medium adjustable fitover



#38 Large adjustable fitover



#39 X-Large fitover



#35 Wrap Around



#34 Wrap with RX insert



KS Small/KM Medium
Child Frame

NoIR Medical Technologies

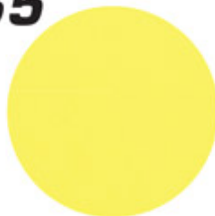
GlareShield • Polarized • UVShields

100% UV PROTECTION

FILTER COLORS

www.noir-medical.com

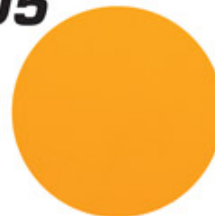
465



70% Yellow

Heightens contrast
Provides maximum brightness
and enhances visual acuity *BBP

505



56% Orange

Intensifies backgrounds for enhanced
visual acuity and increased contrast
Helpful for reading *BBP

533



35% Amber/Orange

Contrast enhancement
and glare relief
*BBP

553



52% Red/Orange

Contrast enhancement
and glare relief
*BBP

570



39% Dark Red/Orange

Contrast enhancement and
glare relief for retinal disease patients
*BBP

47



40% Topaz

All purpose sunglass
Enhances contrast and provides
glare reduction with natural colors

32



10% Grey-Green

Comfortable color
Cuts glare and sharpens focus
with natural color rendition

75



47% Red/Orange

Contrast enhancement and
glare relief for retinal disease patients
*BBP

70



44% Pink

For rod excitement

28



58% Light Grey

Relieves indoor glare
Helpful under Fluorescent lighting

42P



21% Grey Polarizer

Glare relief in a natural color
Available in SpectraShields only

44P



26% Amber Polarizer

Glare relief in a natural color
Available in SpectraShields only

WHERE TO ORDER:

Mattingly Low Vision
888-6420842
Fax 760-888-4955

HOW TO ORDER:

Choose filter color and style.
Example:
81 lens with #38 frame.

*BBP = Blue Blocker Protection

Percents (%) represent the amount of visible light transmitted through each lens.

NoIR Medical Technologies NoIR Series

100% UV and INFRARED (IR) PROTECTION for relief from eye fatigue

5

AVAILABLE
STYLES

FILTER COLORS

www.noir-medical.com

11



40% Light Amber

Helpful on hazy, overcast days
Relieves sensitivity to indoor lighting
***BBP**

01



10% Medium Amber

All-purpose sunglass
Glare reduction with enhanced
visual acuity ***BBP**

07



2% Dark Amber

Relieves extreme photophobia
and light sensitivity
***BBP**



300 Series non-fitover

12



40% Light Grey-Green

For indoor lighting and hazy days
Natural color rendition
***BBP**

02



18% Medium Grey-Green

All-purpose sunglass
Glare reduction and natural color
rendition ***BBP**

08



1% Dark Grey-Green

Relief for extreme photophobia
and light sensitivity
***BBP**



100 Series Small fitover



700 Series Medium fitover

31



40% Light Green

Natural color rendition
for indoor lighting
***BBP**

35



14% Medium Green

All-purpose sunglass
Glare reduction with natural color
rendition ***BBP**

39



4% Dark Green

Relieves extreme photophobia
and light sensitivity
***BBP**



900 Series Large fitover



200 Series non-fitover

51



40% Light Yellow

Heightens contrast
Provides maximum brightness
and enhances visual acuity ***BBP**

55



14% Medium Yellow

Heightens contrast
Provides maximum brightness
and enhances visual acuity ***BBP**

59



4% Dark Yellow

Relieves light sensitivity
Provides maximum brightness
with glare reduction ***BBP**



#21 Large and
#17 Small Flip-up Clip-on



#18 Small
#19 Medium
#20 Large Hook-Ons

WHERE TO ORDER:

Mattingly Low Vision
888-6420842
Fax 760-888-4955

Ultraviolet filters with
infrared protection from
the heat energy of the
sun (810-1400nm)

HOW TO ORDER:

Choose filter color and style.
Example:
81 lens with #38 frame.

**ANY LENS
IN ANY
STYLE**

***BBP = Blue Blocker Protection**

Percents (%) represent the amount of visible light transmitted through each lens.

6

AVAILABLE STYLES



#30 Non-fitover



#31 Small fitover



#36 Medium adjustable fitover



#38 Large adjustable fitover



#39 X-Large fitover



#35 Wrap Around



#34 Wrap with RX insert



KS Small/KM Medium Child Frame

NoIR Medical Technologies NoIR Series

100% UV and INFRARED (IR) PROTECTION for relief from eye fatigue

FILTER COLORS

www.noir-medical.com

61



40% Light Orange

Heightens contrast and intensifies backgrounds. Helpful for reading with Macular Degeneration

65



15% Medium Orange

Heightens contrast and intensifies backgrounds. Helpful for reading with Macular Degeneration

69



4% Dark Orange

Heightens contrast and relieves glare for light-sensitive people Intensifies backgrounds *BBP

91



40% Light Red

For rod monochromats and achromats. Relieves blur caused by blues, greens and yellows

95



14% Medium Red

For rod monochromats and achromats. Relieves blur caused by blues, greens and yellows

99



4% Red

For rod monochromats and achromats. Relieves blur caused by blues, greens and yellows



Optional Headstraps



Polarized and Hardcoated Large and Medium Fitovers



42P - Series Polarized



44P - Series Polarized

WHERE TO ORDER:

Mattingly Low Vision
888-6420842
Fax 760-888-4955

Ultraviolet filters with infrared protection from the heat energy of the sun (810-1400nm)

HOW TO ORDER:

Choose filter color and style.
Example:
81 lens with #38 frame.

*BBP = Blue Blocker Protection

Percents (%) represent the amount of visible light transmitted through each lens.

The Evaluation Process:

Selecting the appropriate sunglass to minimize eye discomfort and maximize visual resolution is a subjective process, dependent upon a personal sense of what 'helps'. As a rule of thumb for a successful vision assessment, determining the best filter requires balancing light sensitivity issues with appropriate filter color selection. For maximized visual acuity, select the highest visible light transmission (VLT) possible.

Generally, glare relief is achieved by filtering the short-to-medium wavelengths of the visible spectrum (blue-green-yellow), which scatter within the opacities in the ocular media, and allowing only the longer wavelengths to reach the retina. Commonly known as "Blue-Blockers," amber and orange filters absorb into the yellow and green ranges respectively. For glare reduction we have found the following families of colors to be most effective: amber, orange, plum, green and grey.

Contrast enhancement is also a function of reducing the shorter wavelengths, and we have found the following families of colors to be most effective: orange, yellow and amber, all of which have the effect of highlighting visual distinction. Select the highest possible VLT for enhancing contrast.

All UVShield filters block the UV range (UVA, B and C) to 400nm — NoIR filters block 100% UV as well as IR.

Suggested Applications

Post-Operative Cataract, RK and Lasik

(for moderate glare control and general comfort)

Filter#
21 – 32% Grey
22 – 13% Dark Grey
40 – 16% Amber

Filter#
01 – 10% Amber
02 – 18% Grey

Macular Degeneration

(for glare control and contrast enhancement)

Filter#
465 – 70% Yellow
505 – 56% Orange
533 – 35% Amber/Orange
60 – 49% Orange

Filter#
11 – 40% Amber
51 – 40% Yellow
55 – 14% Yellow
65 – 14% Orange

Retinitis Pigmentosa

(for photophobia, glare control and contrast enhancement)

Filter#
23 – 4% Grey
43 – 4% Amber
570 – 39% Red/Orange
533 – 35% Amber/Orange

Filter#
01 – 10% Amber
07 – 2% Amber
08 – 1% Grey-Green

Diabetic Retinopathy

(for contrast enhancement and general comfort)

Filter#
22 – 13% Grey
32 – 10% Grey-Green
81 – 20% Plum
47 – 40% Topaz

Filter#
01 – 10% Amber
02 – 18% Grey-Green

Night Blindness

(for increased brightness and glare control)

Filter#
50 – 54% Yellow

Filter#
465 – 70% Yellow

Pre-Cataract

(for increased brightness and glare control)

Filter#
50 – 54% Yellow
68 – 52% Orange

Filter#
11 – 40% Amber
61 – 40% Orange

Glaucoma

(for glare control and general comfort)

Filter#
21 – 32% Grey
22 – 13% Dark Grey
81 – 20% Plum
40 – 16% Amber

Filter#
12 – 40% Grey-Green
01 – 10% Amber
02 – 18% Grey
50 – 54% Yellow

Dermatology

(for post-treatment UV protection and light-sensitivity)

Filter#
10 – 90% Clear
21 – 32% Grey
22 – 13% Dark Grey
80 – 4% Plum

Filter#
01 – 10% Amber
40 – 16% Amber
81 – 20% Plum

Sun, Ski and Sports

(for glare control and contrast enhancement)

Filter#
40 – 16% Amber
50 – 54% Yellow
533 – 35% Amber/Orange

Filter#
01 – 10% Amber
11 – 40% Amber
60 – 49% Orange

PDT

(for post-treatment protection and light-sensitivity)

Filter#
40 – 16% Amber
80 – 4% Plum

Filter#
01 – 10% Amber



NoIR offers a full spectrum of fashionable, functional and affordable sunglasses. With over 50 different lens colors and transmission characteristics absorbing ultraviolet, visible and infrared energy, the NoIR lens system can help maximize functional vision, enhance contrast and provide comfort against disabling glare. NoIR and UVShield filters may increase mobility and provide relief from the light-sensitivity and discomfort related to the onset of macular degeneration and other vision-impairments, including night-blindness.

All NoIR/UVShield filters absorb ultraviolet radiation to 400nm, with many lenses also blocking blue light, protecting the retina from high-energy wavelengths which may contribute to the degenerative process culminating in macular degeneration. NoIR series filters also cut infrared wavelengths, 'cooling' the light by reducing the heat energy of the sun to provide a more soothing, comfortable viewing experience.

NoIR Low Vision Filters have become the point where utility and comfort converge by providing essential light management, visibility and protection with an eye on wear-ability. NoIR sunglasses are available in 17 comfortable and good-looking styles, many with top and side-shield protection and designed to fit over prescription glasses. The NoIR Low Vision Filter System is made in the USA.

For updated listings, new styles and technical data, please visit:

www.noir-medical.com



NoIR Medical Technologies

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info@mattinglylowvision.com

Full Spectrum Eye Protection