



NoIR Medical Technologies manufactures fashionable, functional and affordable sun filters for the visually impaired, post-operative cataract/LASIK/PRK patients and recreationalists. Containing over 50 different filter colors and transmission characteristics, the NoIR filter system offers ultraviolet, visible and infrared protection, managing the light that reaches the eyes to maximize functional vision, enhance contrast and provide comfort against disabling glare. By attenuating overall light transmission and eliminating bothersome wavelengths of light, NoIR and UVShield filters increase mobility and provide relief from the light-sensitivity, glare and discomfort related to the onset of macular degeneration and other vision-impairing eye conditions, including night blindness.

All NoIR/UVShield filters absorb the ultraviolet to 400nm, with product lines absorbing through the visible spectrum to 480nm and beyond, protecting the retina against long-term exposure to high-energy wavelengths, which may contribute to the degenerative process culminating in macular degeneration. NoIR series filters also cut the infrared, 'cooling' the light by cutting the overall heat energy bombarding the retina to provide a more soothing, comfortable viewing experience.

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

www.noir-medical.com



NoIR Medical Technologies

P.O. Box 159 • South Lyon, MI 48178

800-521-9746 USA • 734-769-5565

Fax 734-769-1708

Full Spectrum Eye Protection

MAXIMIZE YOUR EYES

400nm

800nm



GlareShields
UVShield



www.noir-medical.com

2

AVAILABLE STYLES



#30 Non-fitover



#31 Small fitover



#36 Medium fitover



#39 Large fitover



#35 Wrap Around



KM Medium Child Frame



KS Small Child Frame



#14 and #15 Child Softies

NoIR Medical Technologies UVShields

100% UV PROTECTION

FILTER COLORS

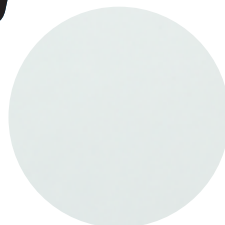
www.noir-medical.com

10



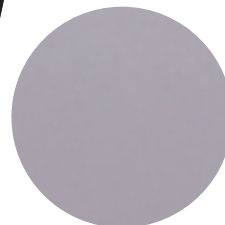
90% Clear
Full UV protection with
no reduction in visibility

20



58% Light Grey
Relieves indoor glare
Helpful under fluorescent lighting

21



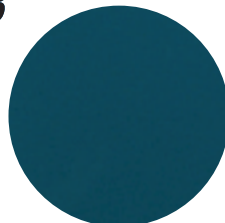
32% Medium Grey
Soothing color sharpens focus
Excellent glare protection

22



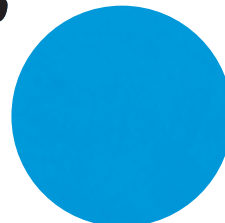
13% Dark Grey
Extremely comfortable color
Cuts glare and sharpens focus
with natural color rendition

23



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

26



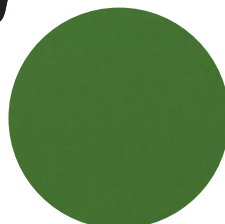
30% Blue
Relief for Achromatopsia

38



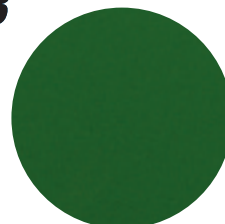
58% Light Grey-Green
Glare protection with
natural color rendition

30



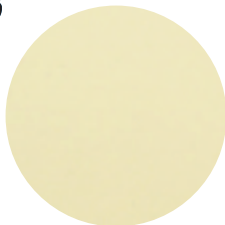
7% Grey-Green
Glare protection with
a low visible light transmission

33



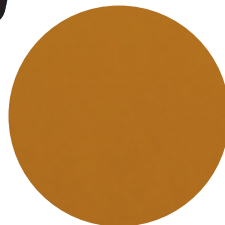
4% Dark Grey-Green
Glare protection
for the extremely light-sensitive

48



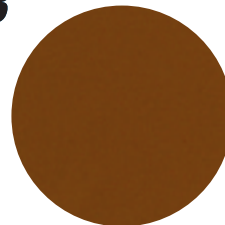
53% Light Amber
Heightens contrast
for indoor use

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:

NoIR Medical Technologies
800-521-9746 • 734-769-5565
Fax 734-769-1708

HOW TO ORDER:

Choose filter color and style.
U and L styles available
hardcoated opolarized.

*BBP = Blue Blocker Protection

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

NoIR Medical Technologies UVShields

100% UV PROTECTION

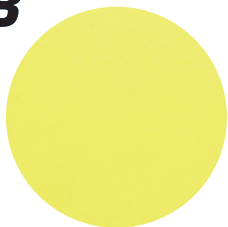
3

AVAILABLE
STYLES

FILTER COLORS

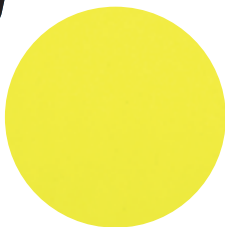
www.noir-medical.com

58



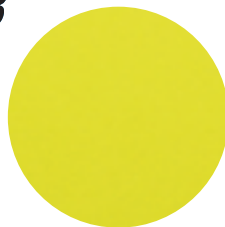
65% Light Yellow
Heightens contrast
Provides maximum brightness
and enhances visual acuity

50



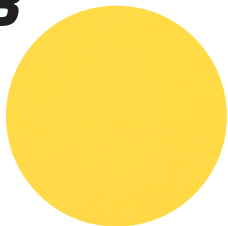
54% Yellow
Heightens contrast
Provides maximum brightness
and enhances visual acuity *BBP

53



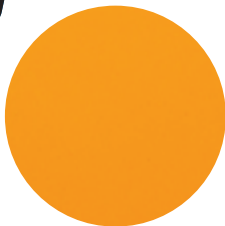
4% Dark Yellow
Combines contrast enhancement
with glare reduction for enhanced
visual acuity *BBP

68



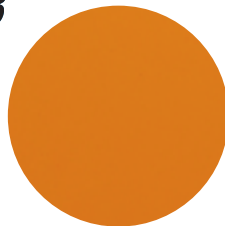
52% Light Orange
Intensifies backgrounds for enhanced
visual acuity and increased contrast
Helpful for reading *BBP

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

88



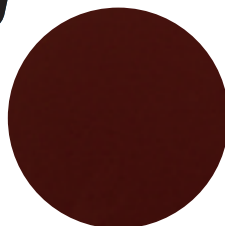
40% Light Plum
Good contrast and
realistic color rendition
Excellent indoor filter

81



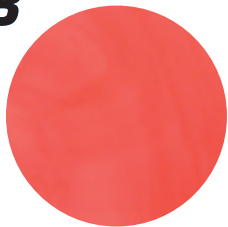
20% Plum
General purpose filter
Glare reduction for enhanced
visual acuity *BBP

80



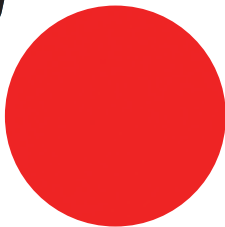
4% Plum
Contrast enhancement and
glare relief for the light-sensitive
Approved filter for PDT

98



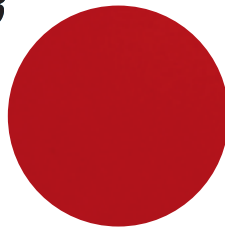
59% Light Red
For rod monochromats and
achromats. Relieves blur caused by
blues, greens and yellows

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



N-Series non-fitover



S-Series Small fitover



U-Series Medium fitover



L-Series Large fitover



200 Series non-fitover



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



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

WHERE TO ORDER:

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800-521-9746 • 734-769-5565
Fax 734-769-1708

HOW TO ORDER:

Choose filter color and style.
U and L styles available
hardcoated opolarized.

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 fitover



#39 Large fitover



#35 Wrap Around



KM Medium Child Frame



KS Small Child Frame



#14 and #15 Child Softies

NoIR Medical Technologies

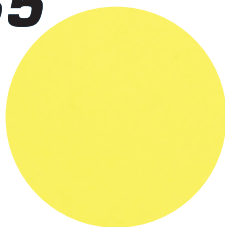
GlareShield • Polarized • UVShields

100% UV PROTECTION

FILTER COLORS

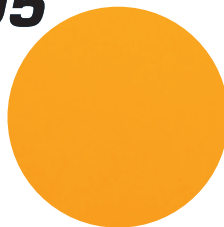
www.noir-medical.com

465



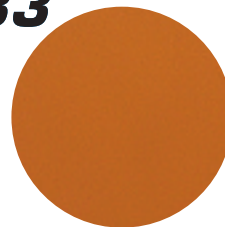
70% Yellow
Heightens contrast
Provides maximum brightness
and enhances visual acuity ***BBP**

505



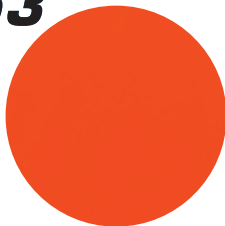
56% Orange
Intensifies backgrounds for enhanced
visual acuity and increased contrast
Helpful for reading ***BBP**

533



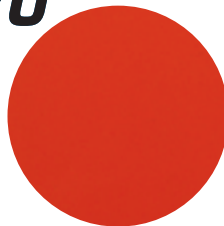
35% Amber/Orange
Contrast enhancement
and glare relief
***BBP**

553



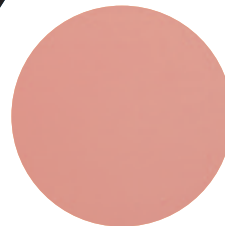
52% Red/Orange
Contrast enhancement
and glare relief
***BBP**

570



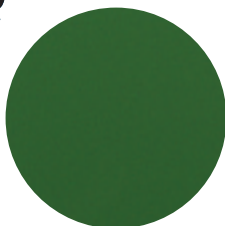
39% Dark Red/Orange
Contrast enhancement and
glare relief for retinal disease patients
***BBP**

47



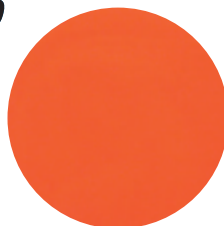
40% Topaz
All purpose sunglass
Enhances contrast and provides
glare reduction with natural colors

32



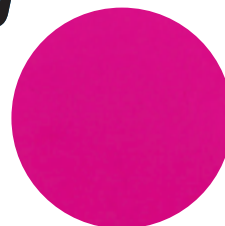
10% Grey-Green
Comfortable color
Cuts glare and sharpens focus
with natural color rendition

75



47% Red/Orange
Contrast enhancement and
glare relief for retinal disease patients
***BBP**

70



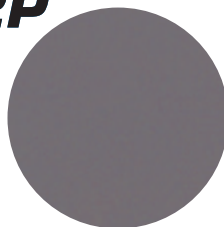
44% Pink
For rod excitement

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:

NoIR Medical Technologies
800-521-9746 • 734-769-5565
Fax 734-769-1708

HOW TO ORDER:

Choose filter color and style.
U and L styles available
hardcoated or polarized.

*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

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11



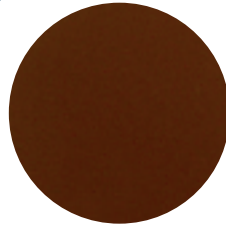
40% Light Amber
Helpful on hazy, overcast days
Relieves sensitivity to indoor lighting
***BBP**

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**

12



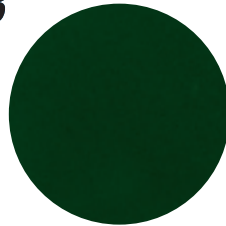
40% Light Grey-Green
For indoor lighting and hazy days
Natural color rendition
***BBP**

02



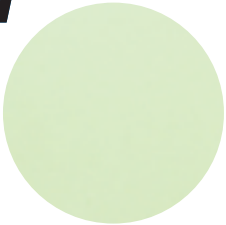
18% Medium Grey-Green
All-purpose sunglass
Glare reduction and natural color
rendition ***BBP**

08



1% Dark Grey-Green
Relief for extreme photophobia
and light sensitivity
***BBP**

31



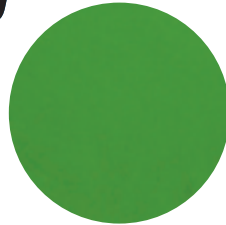
40% Light Green
Natural color rendition
for indoor lighting
***BBP**

35



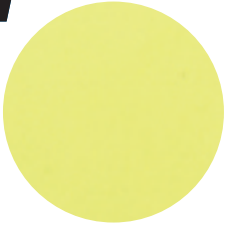
14% Medium Green
All-purpose sunglass
Glare reduction with natural color
rendition ***BBP**

39



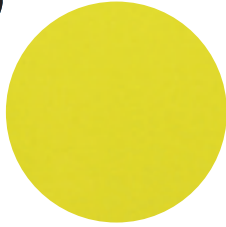
4% Dark Green
Relieves extreme photophobia
and light sensitivity
***BBP**

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**



300 Series nonfitter



100 Series Smallfitter



700 Series Mediumfitter



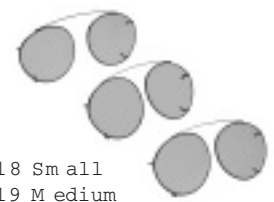
900 Series Largefitter



200 Series nonfitter



#21 Large and
#17 Small Flip-Up Clip On



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

WHERE TO ORDER:

NoIR Medical Technologies
800 521-9746 • 734-769-5565
Fax 734-769-1708

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

HOW TO ORDER:

Choose filter color and style
U and L styles available
hardcoated or polarized.

ANY LENS
IN ANY
STYLE

*BBP = Blue Blocker Protection

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

AVAILABLE STYLES



#30 Non-fitover



#31 Small fitover



#36 Medium fitover



#39 Large fitover



#35 Wrap Around



KM Medium Child Frame



KS Small Child Frame



#14 and #15 Child Softie

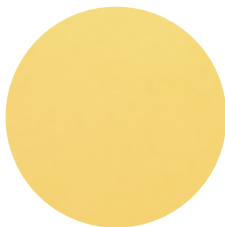
NoIR Medical Technologies NoIR Series

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

FILTER COLORS

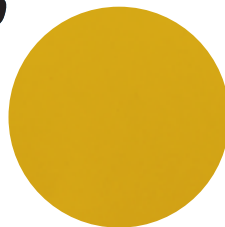
www.noir-medical.com

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



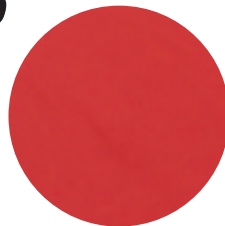
4% Dark Orange
Heightens contrast and relieves
glare for light-sensitive people
Intensifies backgrounds *BBP

91



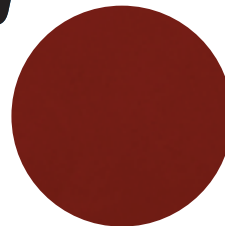
40% Light Red
For rod monochromats and
achromats. Relieves blur caused by
blues, greens and yellows

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



Custom Imprinting on
Cases and Glasses
Available



Optional
Headstraps



Polarized and
Hardcoated Large and
Medium Fitovers



42P - Series
Polarized



44P - Series
Polarized

WHERE TO ORDER:

NoIR Medical Technologies
800-521-9746 • 734-769-5565
Fax 734-769-1708

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

HOW TO ORDER:

Choose filter color and style.
U and L styles available
hardcoated or polarized.

*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

Pre-Cataract

(for increased brightness and glare control)

Filter#

50 – 54% Yellow
68 – 52% Orange

Filter#

11 – 40% Amber
61 – 40% Orange

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

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

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

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

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

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

Night Blindness

(for increased brightness and glare control)

Filter#

50 – 54% Yellow

Filter#

465 – 70% Yellow

PDT

(for post-treatment protection and light-sensitivity)

Filter#

40 – 16% Amber
80 – 4% Plum

Filter#

01 – 10% Amber