

laservision®

INDUSTRIAL
Laser Safety

we protect your eyes

laservision®

Rapid advancement in laser technology makes laser safety more important than ever before. New lasers in medicine, defense, research and industry present unique challenges for safety and personal protection.

laservision USA, part of uvex safety group, is committed to providing you the best and most advanced laser safety protection. Our Certified Laser Safety Officers (CLSOs) are available to help customers worldwide find the protection they require.

INDUSTRIAL LASER SAFETY CATALOG

- 3** laservision brand vision and products
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- 14** Filter technology: glass and polycarbonate
- 16** Industrial and manufacturing filters
- 36** Area protection (barriers & enclosures)
- 38** Custom modular barrier system **NEW**
- 40** Windows and face shields



800-393-5565



info@lasersafety.com



lasersafety.com

we protect your eyes

Our brand vision

As a leading manufacturer of laser safety products, we are committed to providing innovative products and services, based on the precise needs of our customers. Protecting you from artificial optical radiation is our core mission. With our high level of proficiency, new ideas and a dedication to customer service, we will meet this challenge.

Our attention to detail throughout the entire process allows us to guarantee high-quality, dependable products and personal service. We operate according to three core brand values to ensure we meet the highest standards of safety and reliability: Innovation, Quality and Customer Orientation.



Innovation

laservision delivers certified eye protection against laser radiation. As advancements in laser technology continue, we constantly address new challenges with innovative products and services. Comprehensive experience and a motivated team are the perfect combination to ensure the continued development of new laser safety solutions. We stay true to our mission of **“we protect your eyes”**.

Quality

Since 1987, the name laservision has been synonymous with first-class quality you can rely on. Our well-established technology and development expertise ensures that our products are a step ahead. ISO-certified processes guarantee the reliability, precision and durability of laservision products.

Customer orientation

We understand the precise needs of our customers. This knowledge forms the basis and focus of our work. By request, we develop and manufacture customer-specific laser protection products in close collaboration with independent certification bodies. From individual product development to qualified advisory services, protection of health is the core focus at laservision, in line with the uvex group's brand mission: protecting people.

laservision®

Our products and services

As your worldwide **LASER SAFETY** expert for more than thirty years, laservision offers a full-array of laser safety products, keeping you safe from laser applications in medical, research, military, industrial, manufacturing and more.



Eyewear and filters

Manufactured in-house, we offer a wide range of laser safety eyewear filters that provide varying degrees of protection and visible light transmission (VLT) levels, and a wide selection of frames that offer comfort, style, durability, and maximum field of view. Custom solutions are created based on your laser safety requirements.



Barriers (Curtains, Panels and Enclosures)

We have developed a complete line of laser protection systems with well-adapted accessories tested to withstand a variety of laser output parameters. Barrier frames are designed to reduce specular reflections and are supported by heavy-duty hardware that can be mounted or portable to meet your specifications. Curtains and panels can be custom ordered to fit any space.



Windows

Our large selection of laser safety windows can be customized to facilitate most laser environments, including doors, rooms, walls, laser systems and enclosures. The ultimate protection is our Active Window that will automatically shut down the laser when struck by a stray beam.



Consulting, training and audits (Online or in-person)

Laser Safety Officer and Awareness training programs are created and taught by Certified Laser Safety Officers (CLSOs). These programs are designed to address safety issues and present methods for controlling laser hazards. Custom training options are available. Contact us for laser safety audits and regulatory approval assistance to be in compliance and avoid accidents and penalties with OSHA and ANSI.

Industrial Laser Safety

manufacturing • marking • engraving • welding
cutting • 3D printing • materials processing

Providing laser safety protection for industrial and manufacturing industries, our laser safety eyewear is designed to shield against laser light in applications such as laser cutting, welding, marking, engraving and more. Barrier curtains, panels, enclosures and laser safety windows allow for a safe laser working environment. We offer laser safety audits, consulting services, and laser safety training programs. With laserservice, you will find the protection you require.



Frame styles

At laservision, we offer a variety of standard and fit-over frames to accommodate your specific needs. Our frames are built for comfort and protection and are made to fit multiple filters.

F01



F02



R10



F07



F09



F12



F14



F16



F19



F20



F21



F18



F22



F24



F25



F29



F30



F31



F32



Frame styles

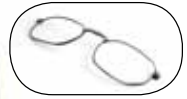
- F01**
- Lightweight frame
 - Soft earpieces provide extra comfort
 - Optional prescription insert
 - Duoflex temples - height and angle adjustable



F01 Frame Specifications

Lens Width	52 mm
Lens Height	38 mm
Space Between Lenses	26 mm
Frame Height	45 mm
Frame Length	140-150 mm
Frame Width	135 mm
Temple Length	110-130 mm
Temple Angle Adjustment	12°

Prescription Insert A01.RX



- F02**
- Large lens size for greater field of view
 - Soft earpieces for comfort
 - Duoflex temples - height and angle adjustable



F02 Frame Specifications

Lens Width	61 mm
Lens Height	49 mm
Space Between Lenses	13 mm
Frame Height	55 mm
Frame Length	130-141 mm
Frame Width	146 mm
Temple Length	87-107 mm
Temple Angle Adjustment	12°

- R10**
- Heavy-duty, metal-reinforced frame
 - Fits over most prescription eyewear
 - Duoflex temples - height and angle adjustable



R10 Frame Specifications

Lens Width	66 mm
Lens Height	50 mm
Space Between Lenses	12 mm
Frame Height	59 mm
Frame Length	130-149 mm
Frame Width	155 mm
Temple Length	110-128 mm
Temple Angle Adjustment	12°



Fit-over frame

Temple Options A02.STRAP

Alternative solution for Duoflex temples to fit different head shapes

- Elastic head strap – fully adjustable
- Malleable temples – bend to fit



Available for:
F01, F02, R10

Head Support System A01.HSUPS:1000

Spreads the weight of heavier filters over the head and removes the pressure from nose, ear and head.

Two rotary adjustment knobs allow an easy fitting.



Available for:
F01, F02, R10

Frame styles

- F07**
- Wide, lightweight, fit-over style
 - Stylish bronze color
 - Flexible earpiece allows for a quick and easy manual adjustment



F07 Frame Specifications

Lens Width	64 mm
Lens Height	46 mm
Space Between Lenses	16 mm
Frame Height	44 mm
Frame Length	157 mm
Frame Width	148 mm
Temple Length	118 mm



Fit-over frame

- F09**
- Large, lightweight, fit-over style
 - Flexible earpiece allows for a quick and easy manual adjustment



F09 Frame Specifications

Lens Width	62 mm
Lens Height	50 mm
Space Between Lenses	17 mm
Frame Height	54 mm
Frame Length	157 mm
Frame Width	147 mm
Temple Length	125 mm



Fit-over frame

R10 with Head Support



F09



F14



Frame styles

- F12**
- Large lenses for increased visibility
 - Strategically placed venting reduces fogging
 - Padded rim provides extra comfort
 - Adjustable elastic strap

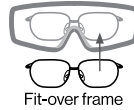


F12 Frame Specifications

Lens Width	65 mm
Lens Height	52 mm
Distance Space Lenses	18 mm
Frame Height	72 mm
Frame Length	Adjustable
Frame Width	187 mm
Temple Length	Adjustable



- F14 /R14**
- Padded goggle rim provides extra comfort
 - Foam and rubber seal included
 - Optional anti-fog insert accessory
 - Optional metal-reinforced version - R14
 - Adjustable elastic strap



F14 / R14 Frame Specifications

Lens Width	63 mm
Lens Height	46 mm
Space Between Lenses	11 mm
Frame Height	85 mm
Frame Length	Adjustable
Frame Width	170 mm
Temple Length	Adjustable

Foam Seal A14.FORUB:1000

Foam lining provides a more comfortable fit, especially for users with prescription eyewear. *Sold in a pack of 5*



Anti-Fog Inserts

A14.FAFS

To prevent fogging, these special plastic sheets are coated with nano-particles that absorb humidity.



Rubber Seal A14.LIPSE:1000

The reusable rubber seal is convenient for visitor use. Snaps easily into the F14 / R14 frame.

Sold in a pack of 5



Replacement Strap

A14.STRAP



Frame styles

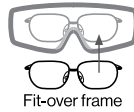
- F16**
- Sporty style, lightweight frame
 - Height and angle adjustable temples
 - Adjustable nylon strap option instead of temples
 - Soft temple earpieces for comfort



F16 Frame Specifications

Lens Width	70 mm
Lens Height	41 mm
Space Between Lenses	14 mm
Frame Height	45 mm
Frame Length	117-135 mm
Frame Width	141 mm
Temple Length	109-125 mm
Temple Angle Adjustment	12°

- F18**
- Innovative design with optimal field of view
 - Fits over prescription eyewear
 - Comfortable grip tips for a safe, stable pressure-free fit
 - F18 Flex temple - bendable hold with side arm grips to fit a variety of face shapes



F18 / F22 Frame Specifications

Lens Width	155 mm
Lens Height	35 mm
Space Between Lenses	NA
Frame Height	35 mm
Frame Length	155 mm
Frame Width	154 mm
Temple Length	110 mm



Side Protection

Optimal field of view with room for prescription eyewear.

F22



Fold-in temple

Convenient hinge compared to the flex temple (F18). More control when opening and closing.

Frame styles

F19
Black

- Lightweight frame
- Durable with soft nose cushion for comfort
- Available in three colors



F19 / F20 / F21 Specifications

Lens Width	55 mm
Lens Height	35 mm
Space Between Lenses	16 mm
Frame Height	40 mm
Frame Length	150 mm
Frame Width	140 mm
Temple Length	120 mm

F20
White



F21
Steel
Blue



◀ F22



“I want to ensure my eyes and my patient’s are safe when I perform laser treatments.”

Frame styles

- F24**
- Maximum comfort and performance
 - Durable, strong and lightweight
 - Soft, sculpted padding
 - Hypoallergenic, soft, rubber nose and temple ends
 - Includes removable and adjustable elastic strap



F24 Frame Specifications

Lens Width	66 mm
Lens Height	38 mm
Space Between Lenses	16 mm
Frame Height	43 mm
Frame Length	165 mm
Frame Width	140 mm
Temple Length	115 mm

- F25**
- White, clean, dynamic look
 - Lightweight, strong material
 - Hypoallergenic, soft nose pads and temple ends for comfort and stabilizing grip



F25 Frame Specifications

Lens Width	63 mm
Lens Height	37 mm
Space Between Lenses	15 mm
Frame Height	43 mm
Frame Length	166 mm
Frame Width	160 mm
Temple Length	125 mm



Rubber

Adjustable nose pad design provides pressure-free non-slip fit.

- F29**
- Sporty, lightweight, wrap-around frame
 - Adjustable sidearms
 - Large lens for greater field of view
 - Softflex nose material
 - Temple inclination to five positions
 - Completely metal-free



F29 Frame Specifications

Lens Width	68 mm
Lens Height	45 mm
Space Between Lenses	9 mm
Frame Height	47 mm
Frame Length	152 mm
Frame Width	150 mm
Temple Length	114 mm
Temple Angle Adjustment	12°



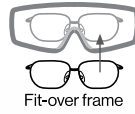
Softflex

Nose Material is non-slip and adjusts to your face.

Frame styles

F30
Smoky
White

- Large lens for greater field of view
- Lightweight, comfortable fit
- Flexible / adjustable rubber temples
- Fits over most prescription eyewear



F30 / F31 / F32 Specifications

Lens Width	62 mm
Lens Height	42 mm
Space Between Lenses	16 mm
Frame Height	50 mm
Frame Length	160-170 mm
Frame Width	156 mm
Temple Length	112-116 mm



F31
Grey



Soft Temples
Flexible and adjustable

F32
White



F24



“My college lab instructor promotes laser safety everyday.”

Filter technology

- Maximum laser protection
- High Optical Density (OD)
- Wide selection
- Customized modifications available
- ANSI and CE certified
- Three laser filter technologies
 - Glass
 - Thin-film-coated glass
 - Polycarbonate

laservision is the industry leader in filter technology, produced in our facility in Saint Paul, Minnesota.

If you need assistance selecting the appropriate laser protection, please contact us. Our Certified Laser Safety Officers are available to assist customers worldwide.

Glass filters



- High Optical Density (OD)
- Durable and long usage
- Superior scratch resistance
- Clearer visibility

Absorbing glass starts in large uncut and unpolished sheets. (i.e., transmittance, refractive index, reflection factors, etc.). It's then polished to exact thickness and cut to required shape. Based on their technical specifications edges are beveled to ensure a proper fit with various eyewear styles.



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Thin-film-coated glass filters



- Multi-wave protection
- Narrow band protection
- Excellent visible light transmission (VLT)

Polycarbonate filters



- Low-cost option
- Lightweight safety solution
- Extremely durable

Reflective or thin-film-coating is applied by the same process used to produce high-reflective or anti-reflective laser optics. By applying physical vapor deposition technology is applied directly to absorptive glass filters. To provide additional laser protection with optimal VLT.

Polycarbonate absorbing filters are manufactured with clear base polycarbonate materials mixed with organic dyes formulated to deliver the required laser protection. After the lens blanks are molded, a special UV-cured coating is applied to both front and back surfaces to add a scratch resistant layer.



laservision®

Industrial & Manufacturing Laser Safety filters

Glass - Page 17

Polycarbonate - Page 27

Filters developed to provide optical protection for laser personnel against laser radiation in industrial applications.



T5A03

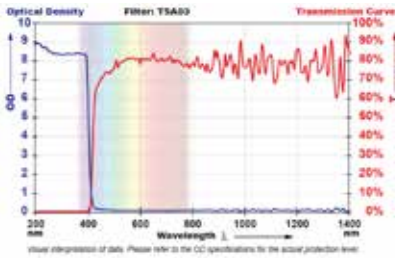
Color: Light Yellow

Material: Glass

VLT: 85%

Optical Density (OD)

OD 7+ @ 190 - 395 nm



Lasers

Excimer, Nd:YAG

Applications

Marking, Resurfacing

Available Frames

F01



F12



F14



T5D02

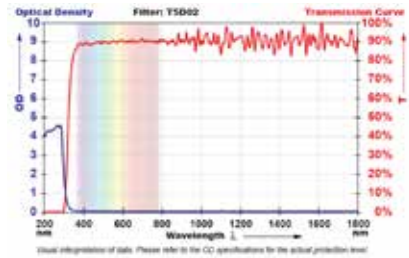
Color: Clear

Material: Glass

VLT: 90%

Optical Density (OD)

OD 6+ @ 10600 nm



Lasers

CO₂

Applications

Cutting, Drilling, LIDAR, Military, Welding

Available Frames

F01



F02



F07



F09



F12



F14



F19



F20



F21



F24



F30



F31



F32

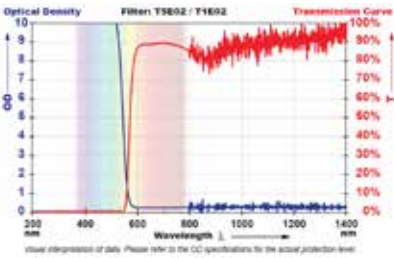


T5E02

Color: Orange
Material: Glass
VLT: 40%



Optical Density (OD)
 OD 9+ @ 180 - 315 nm
 OD 8+ @ 315 - 532 nm



Lasers

Argon, Excimer, KTP, Nd:YAG

Applications

Engraving, Marking

Available Frames

F01



F12



F14

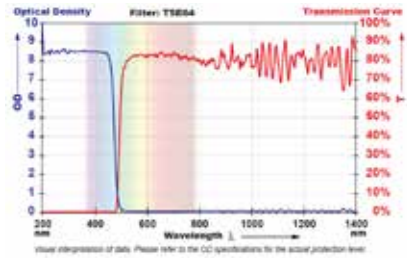


T5E04

Color: Yellow
Material: Glass
VLT: 84%



Optical Density (OD)
 OD 7+ @ 190 - 450 nm



Lasers

Excimer, Nd:YAG

Applications

Drilling, Resurfacing

Available Frames

F01



F12



F14



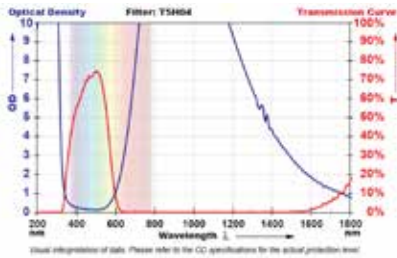
T5H04

Color: Blue
Material: Glass
VLT: 47%



Optical Density (OD)

OD 2+ @ 630 - 650 nm
 OD 3+ @ 650 - 690 nm
 OD 6+ @ 690 - 1300 nm
 OD 8+ @ 1064 nm



Lasers

Alexandrite, Diode, Disk, Fiber, He Ne, Nd:YAG, Ruby, Ti:Sapphire

Applications

Marking, Materials Processing, Resurfacing

Available Frames



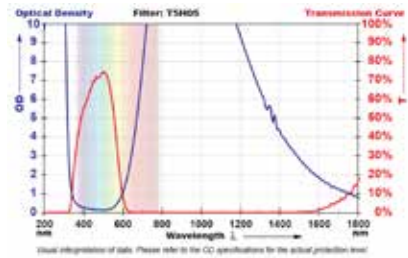
T5H05

Color: Green-Blue
Material: Glass
VLT: 47%



Optical Density (OD)

OD 2+ @ 630 - 650 nm
 OD 3+ @ 650 - 690 nm
 OD 6+ @ 690 - 1300 nm
 OD 8+ @ 1000 - 1100 nm



Lasers

Alexandrite, Diode, Disk, Fiber, He Ne, Nd:YAG, Ruby, Ti:Sapphire

Applications

Marking, Materials Processing, Resurfacing

Available Frames



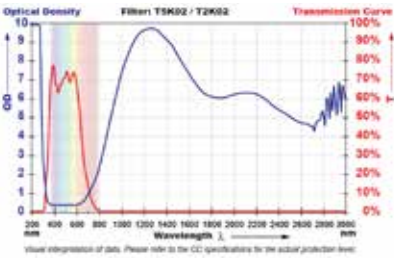
T5K02

Color: Clear
Material: Glass
VLT: 70%



Optical Density (OD)

OD 3+ @ 850 - 900 nm
 OD 4+ @ 900 - 950 nm
 OD 5+ @ 950 - 1000 nm
 OD 7+ @ 1000 - 1600 nm
 OD 5+ @ 1600 - 2400 nm
 OD 5+ @ 2900 - 10600 nm



Lasers

CO₂, Diode, Disk, Er:YAG, Fiber, Ho:YAG, Nd:YAG

Applications

LIDAR, Manufacturing, Marking, Materials Processing, Military, Resurfacing

Available Frames



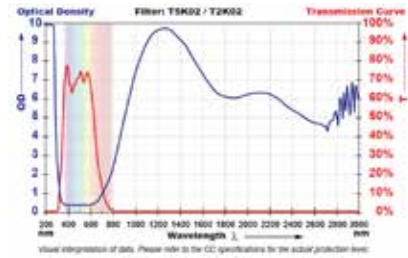
T2K02

Color: Clear
Material: Glass
VLT: 70%



Optical Density (OD)

850 - 900 DIRM LB3 (OD 3+)
 >900 - 950 DIRM LB4 (OD 4+)
 >950 - <980 DIRM LB5 (OD 5+)
 980 - <1030 D LB6 + IR LB7 + M LB7Y (OD 7+)
 1030 - 1400 D LB6 + IR LB8 + M LB8Y (OD 8+)
 >1400 - 11500 DIR LB4 (OD 4+)
 LV CE



Lasers

CO₂, Diode, Disk, Er:YAG, Fiber, Ho:YAG, Nd:YAG

Applications

LIDAR, Manufacturing, Marking, Materials Processing, Military, Resurfacing

Available Frames



T5K04

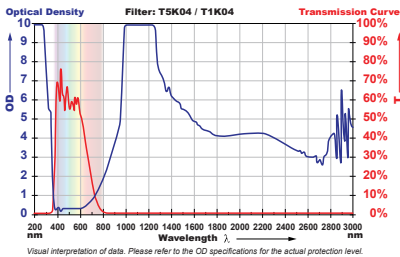
Thin-Film-Coated

Color: Light Grey
Material: Glass (TFC)
VLT: 77%



Optical Density (OD)

OD 3+ @ 850 - 950 nm
 OD 4+ @ 900 - 950 nm
 OD 5+ @ 950 - 1000 nm
 OD 7+ @ 1000 - 1600 nm
 OD 13+ @ 1064 nm
 OD 5+ @ 1600 - 2400 nm
 OD 5+ @ 2900 - 10600 nm



Lasers

CO₂ Diode, Disk, Er:YAG, Fiber, Ho:YAG, Nd:YAG

Applications

Cutting, Engraving, Marking, Materials Processing, Military, Resurfacing

Available Frames



T5K08

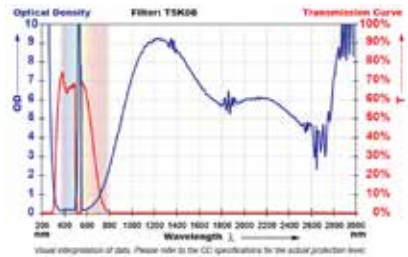
Thin-Film-Coated

Color: Purple
Material: Glass (TFC)
VLT: 12%



Optical Density (OD)

OD 6+ @ 532 nm
 OD 3+ @ 850 - 900 nm
 OD 4+ @ 900 - 950 nm
 OD 5+ @ 950 - 1000 nm
 OD 7+ @ 1000 - 1600 nm
 OD 5+ @ 1600 - 2400 nm
 OD 5+ @ 2900 - 10600 nm



Lasers

CO₂ Diode, Disk, Er:YAG, Fiber, Ho:YAG, KTP, Nd:YAG

Applications

Cutting, Marking, Resurfacing, Welding

Available Frames



T5K11

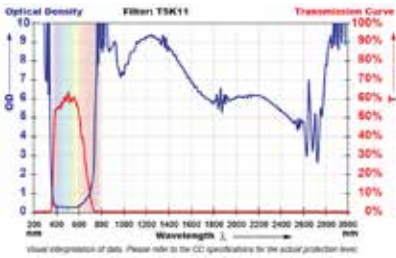
Thin-Film-Coated

Color: Clear
Material: Glass (TFC)
VLT: 60%



Optical Density (OD)

OD 5+ @ 780 - 800 nm
 OD 7+ @ 800 - 860 nm
 OD 3+ @ 860 - 900 nm
 OD 4+ @ 900 - 950 nm
 OD 5+ @ 950 - 1000 nm
 OD 7+ @ 1000 - 1600 nm
 OD 5+ @ 1600 - 2400 nm
 OD 4+ @ 2400 - 2900 nm
 OD 5+ @ 2900 - 10600 nm



Lasers

CO₂, Diode, Disk, Er:YAG, Fiber, Ho:YAG, Nd:YAG, Ti:Sapphire

Applications

Materials Processing, Cutting, Marking, Engraving, Military

Available Frames



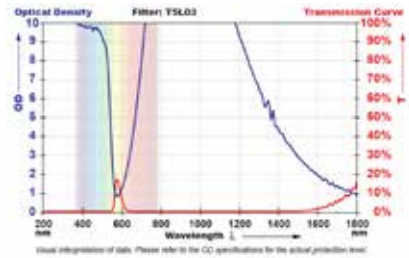
T5L03

Color: Brown
Material: Glass
VLT: 4%



Optical Density (OD)

OD 7+ @ 190 - 535 nm
 OD 2+ @ 633 - 650 nm
 OD 3+ @ 650 - 690 nm
 OD 6+ @ 690 - 1300 nm
 OD 8+ @ 1064 nm



Lasers

Alexandrite, Argon, Diode, Disk, Excimer, Fiber, He Ne, KTP, Nd:YAG, Ruby, Ti:Sapphire

Applications

Materials Processing, Cutting, Marking, Engraving, Military

Available Frames





T5L04

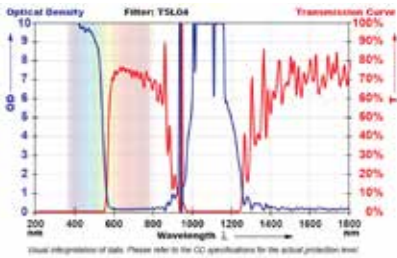
Thin-Film-Coated

Color: Orange
Material: Glass (TFC)
VLT: 29%



Optical Density (OD)

OD 7+ @ 190 - 535 nm
 OD 6+ @ 1030 - 1064 nm



Lasers

Argon, Disk, Excimer, KTP, Nd:YAG

Applications

Marking, Materials Processing, Resurfacing

Available Frames

F01

F14



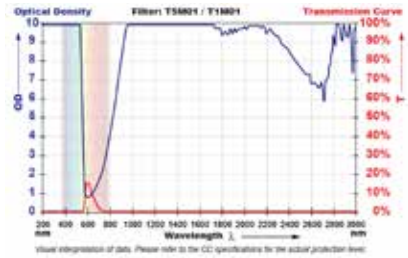
T5M01

Color: Brown
Material: Glass
VLT: 21%



Optical Density (OD)

OD 7+ @ 190 - 535 nm
 OD 3+ @ 850 - 900 nm
 OD 4+ @ 900 - 950 nm
 OD 5+ @ 950 - 1000 nm
 OD 7+ @ 1000 - 1600 nm
 OD 5+ @ 1600 - 2400 nm
 OD 5+ @ 2900 - 10600 nm



Lasers

Argon, CO₂, Diode, Disk, Er:YAG, Excimer, Fiber, Ho:YAG, KTP, Nd:YAG

Applications

Cutting, Drilling, Marking, Welding, Resurfacing

Available Frames

F01

F12

F14



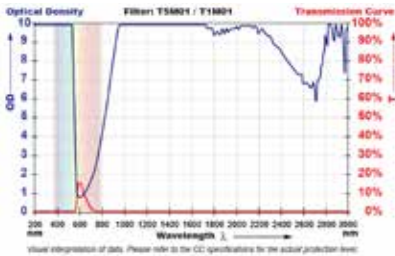
T1M01

Color: Brown
Material: Glass
VLT: 21%



Optical Density (OD)

180 - 315 D LB10 + IR LB 5 (OD 10+)
 >315 - 532 D LB7 + IR LB8 + M LB8Y (OD8+)
 808 - <890 DIRM LB3 (OD 3+)
 890 - <940 DIRM LB5 (OD 5+)
 940 - <1000 DIRM LB6 (OD 6+)
 1000 - <1025 DIR LB7 + M LB7Y (OD7+)
 1025 - 1100 D LB7 + I LB9 + R LB8 + M LB8Y (OD9+)
 >1100 - 1400 D LB7 + IR LB8 + M LB8Y (OD8+)
 >1400 - 3000 D LB4 (OD 4+)
 >3000 - 11500 D LB5 (OD 5+)
 LV CE



Lasers

Argon, CO₂, Diode, Disk, Er:YAG, Excimer, Fiber, Ho:YAG, KTP, Nd:YAG

Applications

Cutting, Drilling, Resurfacing, Welding

Available Frames

R01



R14



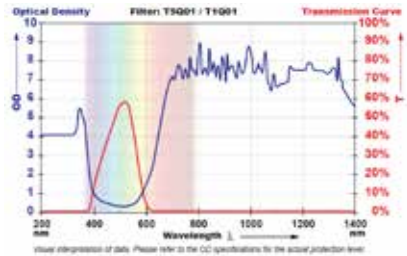
T1Q01

Color: Green
Material: Glass
VLT: 31%



Optical Density (OD)

690 - 795 DIRM LB7 (OD 7+)
 >795 - 1100 DIR LB7 + M LB9 (OD 9+)
 >1100 - 1200 DIR LB7 + M LB8 (OD 8+)
 >1200 - 1320 DIRM LB7 (OD 7+)
 >1320 - 1400 DIRM LB3 (OD 3+)
 >1400 - 1550 DIR LB3 (OD 3+)
 10600 D LB4 (OD 4+)
 0,1W 2*10E - 5J 633 RB2 (OD 2-3)
 LV CE



Lasers

Alexandrite, CO₂, Diode, Disk, Fiber, Nd:YAG, Ruby, Ti:Sapphire

Applications

Cutting, Drilling, Marking, Resurfacing, Welding

Available Frames

R14



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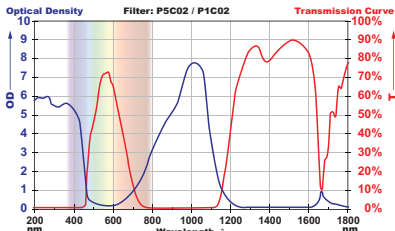
P5C02

Color: Green
Material: Polycarbonate
VLT: 60%



Optical Density (OD)

OD 4+ @ 810 - 900 nm
 OD 6+ @ 900 - 980 nm
 OD 7+ @ 980 - 1064 nm
 OD 6+ @ 1064 - 1080 nm



Visual interpretation of data. Please refer to the OD specifications for the actual protection level.

Lasers

Diode, Disk, Fiber, Nd:YAG

Applications

Cutting, Materials Processing, Welding

Available Frames



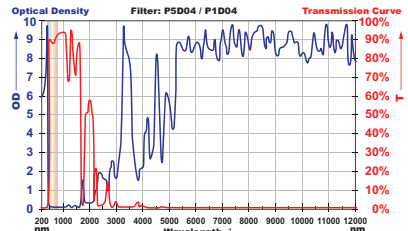
P5D04

Color: Clear
Material: Polycarbonate
VLT: 91%



Optical Density (OD)

OD 5+ @ 190 - 390 nm
 OD 6+ @ 9000 - 11000 nm



Visual interpretation of data. Please refer to the OD specifications for the actual protection level.

Lasers

CO₂, Excimer, Nd:YAG

Applications

Cutting, Engraving, Marking, Materials Processing, Military

Available Frames



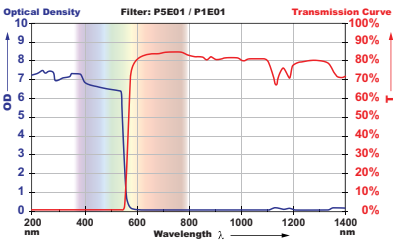
laserservice®

P5E01

Color: Orange
Material: Polycarbonate
VLT: 40%



Optical Density (OD)
 OD 7+ @ 190 - 315 nm
 OD 6+ @ 315 - 532 nm



Visual interpretation of data. Please refer to the OD specifications for the actual protection level.

Lasers

Argon, Excimer, KTP, Nd:YAG

Applications

Materials Processing, Resurfacing, Welding

Available Frames

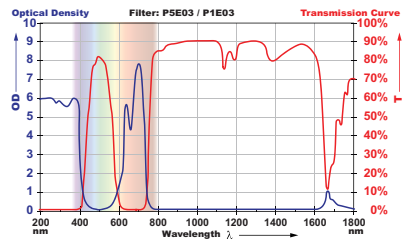


P5E03

Color: Blue-Green
Material: Polycarbonate
VLT: 45%



Optical Density (OD)
 OD 3+ @ 630 - 690 nm
 OD 7+ @ 690 - 710 nm



Visual interpretation of data. Please refer to the OD specifications for the actual protection level.

Lasers

Diode, He Ne, Ruby

Applications

Cutting, Marking, Materials Processing, Resurfacing, Welding

Available Frames



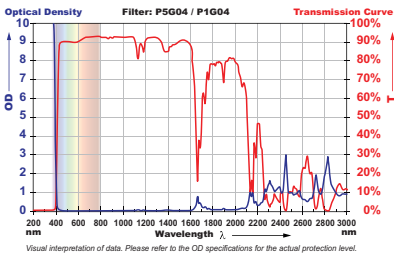
P5G04

Color: Clear
Material: Polycarbonate
VLT: 90%



Optical Density (OD)

OD 10+ @ 180 - 384 nm
 OD 8+ @ 384 - 388 nm
 OD 4+ @ 388 - 396 nm
 OD 3+ @ 396 - 400 nm
 OD 5+ @ 5250 - 14000 nm
 OD 8+ @ 10600



Lasers

CO₂ Excimer, Nd:YAG

Applications

Cutting, Materials Processing, Military, Resurfacing

Available Frames

F18



F22



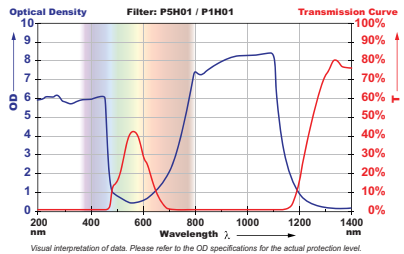
P5H01

Color: Green
Material: Polycarbonate
VLT: 35%



Optical Density (OD)

OD 4+ @ 770 - 800 nm
 OD 6+ @ 800 - 980 nm
 OD 7+ @ 980 - 1065 nm
 OD 5+ @ 1065 - 1100 nm



Lasers

Diode, Disk, Fiber, Nd:YAG, Ti:Sapphire

Applications

Marking, Materials Processing, Resurfacing

Available Frames

F01



F02



R10



F07



F09



F12



F14



F16



F19



F20



F21



F18



F22



F24



F25



F29



F30



F31



F32



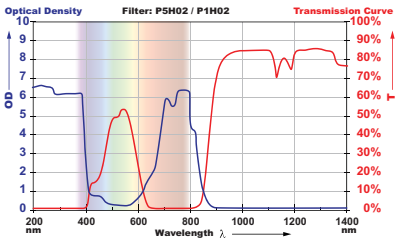
P5H02

Color: Green
Material: Polycarbonate
VLT: 42%



Optical Density (OD)

OD 5+ @ 700 - 820 nm



Lasers

Alexandrite, Diode, Ti:Sapphire

Applications

Cutting, Marking, Welding

Available Frames



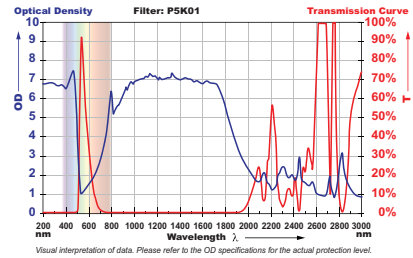
P5K01

Color: Green
Material: Polycarbonate
VLT: 10%



Optical Density (OD)

OD 3+ @ 800 - 830 nm
 OD 4+ @ >830 - 900 nm
 OD 5+ @ 900 - <1060 nm
 OD 7+ @ 1060 - 1090 nm
 OD 6+ @ >1090 - 1400 nm
 OD 3+ @ >1400 - 1650 nm
 OD 6+ @ 10600 nm



Lasers

CO₂, Diode, Disk, Fiber, Nd:YAG, Ti:Sapphire

Applications

Cutting, Engraving, Marking, Materials Processing, Welding

Available Frames



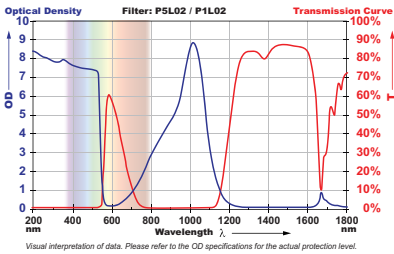
P5L02

Color: Brown
Material: Polycarbonate
VLT: 30%



Optical Density (OD)

OD 6+ @ 190 - 536 nm
 OD 3+ @ 780 - 810 nm
 OD 4+ @ 810 - 900 nm
 OD 6+ @ 900 - 980 nm
 OD 7+ @ 980 - 1065 nm
 OD 6+ @ 1065 - 1080 nm



Lasers

Argon, Diode, Disk, Excimer, Fiber, KTP, Nd:YAG, Ti:Sapphire

Applications

Marking, Materials Processing, Resurfacing

Available Frames



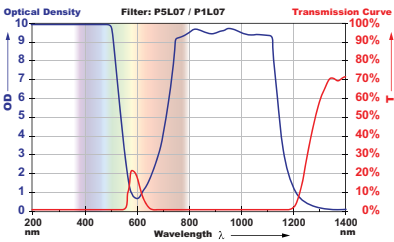
P5L07

Color: Brown
Material: Polycarbonate
VLT: 10%



Optical Density (OD)

OD 10+ @ 180 - 315 nm	OD 8+ @ 745 - <755 nm
OD 8+ @ >315 - 534 nm	OD 9+ @ 755 - 1120 nm
OD 6+ @ >534 - 540 nm	OD 7+ @ >1120 - 1130 nm
OD 3+ @ >540 - 545 nm	OD 6+ @ >1130 - 1135 nm
OD 1+ @ 630 - <660 nm	OD 5+ @ >1135 - 1145 nm
OD 2+ @ 660 - <680 nm	OD 4+ @ >1145 - 1155 nm
OD 3+ @ 680 - <700 nm	OD 3+ @ >1155 - 1165 nm
OD 4+ @ 700 - <715 nm	OD 2+ @ >1165 - 1180 nm
OD 5+ @ 715 - <725 nm	OD 1+ @ >1180 - 1210 nm
OD 6+ @ 725 - <735 nm	
OD 7+ @ 735 - <745 nm	



Lasers

Alexandrite, Argon, Diode, Disk, Excimer, Fiber, He:Ne, KTP, Nd:YAG, Ruby, Ti:Sapphire

Applications

Cutting, Marking, Materials Processing, Resurfacing

Available Frames



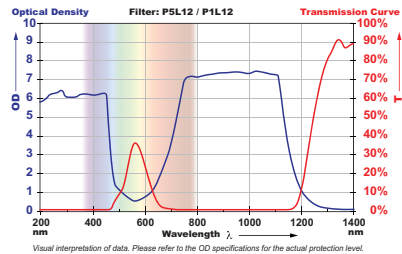
P5L12

Color: Green
Material: Polycarbonate
VLT: 30%



Optical Density (OD)

OD 9+ @ 180 - 315 nm
 OD 6+ @ 315 - 445 nm
 OD 4+ @ 705 - 755 nm
 OD 8+ @ 755 - 1100 nm



Lasers

Alexandrite, Diode, Disk, Excimer, Fiber, Nd:YAG, Ti:Sapphire

Applications

Marking, Materials Processing, Resurfacing

Available Frames



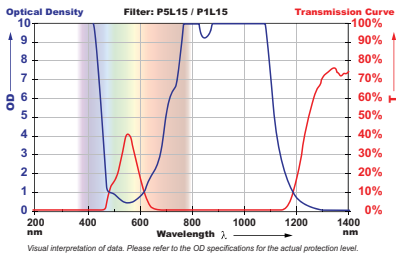
P5L15

Color: Green
Material: Polycarbonate
VLT: 25%



Optical Density (OD)

OD 9+ @ 180 - 315 nm
 OD 5+ @ 315 - 450 nm
 OD 1+ @ 620 - 650 nm
 OD 2+ @ 650 - 680 nm
 OD 3+ @ 680 - 690 nm
 OD 4+ @ 690 - 700 nm
 OD 5+ @ 700 - 720 nm
 OD 6+ @ 720 - 755 nm
 OD 7+ @ 755 - 1090 nm
 OD 6+ @ 10600 nm



Lasers

Alexandrite, CO₂ Diode, Disk, Excimer, Fiber, Nd:YAG, Ruby, Ti:Sapphire

Applications

Cutting, Marking, Materials Processing, Resurfacing

Available Frames

F18



F22



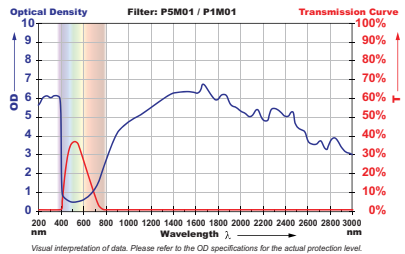
P5M01

Color: Blue
Material: Polycarbonate
VLT: 35%



Optical Density (OD)

OD 10+ @ 180 - 315 nm
 OD 8+ @ >315 - 385 nm
 OD 4+ @ >385 - 400 nm
 OD 2+ @ 780 - <840 nm
 OD 3+ @ 840 - <920 nm
 OD 4+ @ 920 - 1400 nm
 OD 4+ @ >1400 - 2550 nm
 OD 3+ @ >2550 - 3600 nm
 OD 2+ @ >3600 - 5200 nm
 OD 4+ @ >5200 - 11500 nm



Lasers

CO₂ Diode, Disk, Er:YAG, Excimer, Fiber, Ho:YAG, Nd:YAG, Ti:Sapphire

Applications

Marking, Materials Processing, Manufacturing, Resurfacing

Available Frames

F18



F22



F29



laservision®

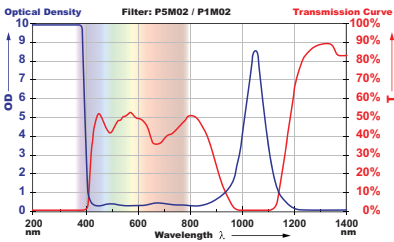
P5M02

Color: Grey
Material: Polycarbonate
VLT: 45%



Optical Density (OD)

OD 9+ @ 180 - 315 nm
 OD 4+ @ 1002 - <1020 nm
 OD 6+ @ 1020 - <1030 nm
 OD 7+ @ 1030 - 1070 nm
 OD 6+ @ 1070 - 1080 nm
 OD 4+ @ >1080 - 1096 nm
 OD 6+ @ 9000 - 11500 nm



Lasers

CO₂, Disk, Excimer, Fiber, Nd:YAG

Applications

Marking, Materials Processing, Resurfacing

Available Frames



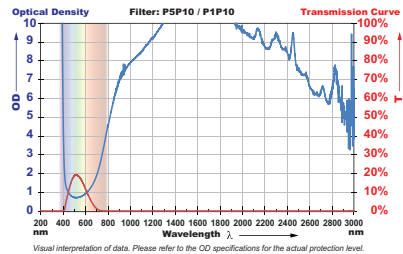
P5P10

Color: Blue
Material: Polycarbonate
VLT: 16%



Optical Density (OD)

OD 8+ @ 180 - 385 nm
 OD 4+ @ 800 - 840 nm
 OD 5+ @ 840 - 880 nm
 OD 6+ @ 880 - 960 nm
 OD 7+ @ 960 - 1030 nm
 OD 8+ @ 1030 - 2200 nm
 OD 4+ @ 1400 - 3600 nm
 OD 6+ @ 10600 nm



Lasers

CO₂, Diode, Disk, Er:YAG, Excimer, Fiber, Ho:YAG, Nd:YAG, Ti:Sapphire

Applications

Cutting, Manufacturing, Marking, Materials Processing, Resurfacing

Available Frames





Laser Safety Area protection

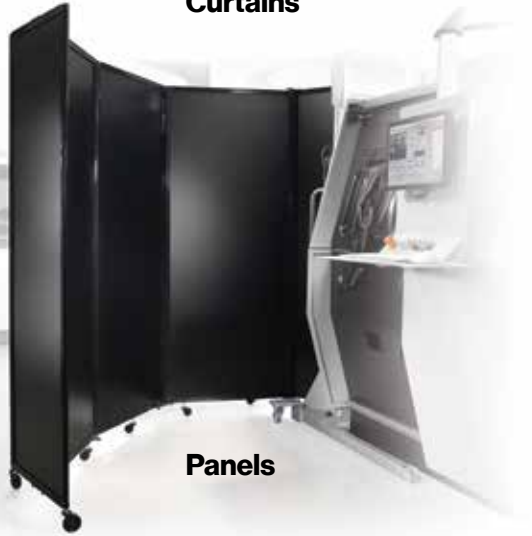
mounted • foldable
extendable • framed
enclosures • interlocks
window shades

laservision will design your next barrier project. We have multiple Certified Laser Safety Officers on staff that can help you with your design and layout with CAD (Computer Aided Design) software. Manufactured in-house with guaranteed high-quality materials and short lead times. Curtains and panels are tailor-made to fit any room.

- Wide selection and fast lead time
- Custom options
- ISO-Certified manufacturing
- Quality materials and workmanship



Curtains






Panels



Enclosures

Curtain specifications

Part #	F5P06 Curtain	F5P01 Curtain	F5P02 Curtain
Images			
Layers	1 Layer	2 Layers	3 Layers
Color	Charcoal Black	Charcoal Black	Charcoal Black
Laser Safety Rating	100 W/cm ² for 100 seconds	200 W/cm ² for 100 seconds	300 W/cm ² for 100 seconds
Description	Fiberglass-based fabric with rubberized silicone coating		
Features	Thermal, flame, abrasion, puncture and tear resistance. Repels water and oil		
Available Products	Standard/Custom Framed Barriers. Optical Table and Enclosures. Window Covers and Roller Shades		

- Also available:**
- **Clean room** - White outer layer
 - **ESD** - Electrostatic discharge protective outer layer

Panel specifications

Part #	M5P06 Panel	X5P01 Panel
Images		
Color	Black	Black
Laser Safety Rating*	1,000 W/cm ² 315-1050 nm 2,500 W/cm ² >1050-1400 nm 10,000 W/cm ² 10600 nm	10,000 W/cm ² 315-1050 nm 25,000 W/cm ² >1050-1400 nm
Description	Two layers of lightweight aluminum bonded with corrugated polyallomer core.	Durable aluminum foam structure for high-power laser applications.
Features	Maintenance-free, strong, doesn't swell, chip, corrode or peel.	
Available Products	Standard/Custom Framed Barriers. Extendable and Foldable Barriers. Optical Table and Enclosures	

*Tested for 100 seconds at 1mm beam diameter

**Our Certified Laser Safety Officers are available to help.
 Call us at 800-393-5565**

laservision®

Laser Safety **NEW**

Custom modular barrier system

New modular design allows for fast and easy construction of protective barriers and enclosures. We customize each unit with laser-rated panels and safe viewing windows, according to your requirements. Each segment can be equipped with wheels for a more portable solution.

- Designed to fit your laser environment
- Certified laser barrier materials for multiple power densities
- Incorporates laser safety windows and doors
- Wall segments - standard width 39" and three height options: 19.5", 39" and 78"
- Quick and easy set-up



Laser Safety Control systems

Interlock box

B99.SSCBOX.5000

Ideal choice for safeguarding against lasers. Minimizes the use of wiring. Capable of networking with overlapping safety functions in modular machines.

- Plug and play component design
- Compatible with virtually any barrier system
- Easy access to components for connections and repair



E-Stop and reset button

B99.ESTOPRS.5000

Emergency stop component. Includes a reset to manually restore the machine to a safe state for restart.



Magnetic door lock

B99.MAGDRLC.5000

Safety locking device for personal and process protection. Ensures secure interlocking of movable, physical guards such as doors and hoods. Reliably prevents access to or interference in a hazardous area.

Safety door switch

B99.SDSWTCH.5000

Proximity-based safety door switch with flexible mounting options.



Light tower

B99.LGHTTWR.5000

Laser safety light tower, equipped with green, yellow and red alert LEDs.



Access card reader

B99.ACCESCARD.5000

RFID Tag for reader

B99.RFIDTAG.5000

Well-suited for hazardous areas, requiring identification to access.

Laser Safety Windows

laservision offers a wide selection of laser safety windows, ideal for safe viewing of lasers from outside the nominal hazard zone. Acrylic, polycarbonate and glass windows can be customized to different sizes based on your laser applications. Designed for all laser environments including doors, rooms, curtains and enclosures.



Window
P5P10

T5K02

Color: Clear
Material: Glass
VLT: 70%

OPTICAL DENSITY (OD)
OD 3+ @ 850 - 900 nm
OD 4+ @ 900 - 950 nm
OD 5+ @ 950 - 1000 nm
OD 7+ @ 1000 - 1600 nm
OD 5+ @ 1600 - 2400 nm
OD 5+ @ 2900 - 10600 nm

THICKNESS
4.2 mm (+/- .02")

SIZE
Maximum 210 x 297 mm - Custom sizes available



P5D05

Color: Clear
Material: Acrylic
VLT: 90%

OPTICAL DENSITY (OD)
OD 6+ @ 10600 nm

THICKNESS
.125" and .250" (+/- .02")

SIZE
Maximum 24" x 36" - Custom sizes available



P5G02

Color: Light Yellow
Material: Acrylic
VLT: 92%

OPTICAL DENSITY (OD)
OD 5+ @ 190 - 375 nm
OD 6+ @ 10600 nm

THICKNESS
.125" and .250" (+/- .02")

SIZE
Maximum 24" x 36" - Custom sizes available



P5K02

Color: Pink
Material: Acrylic
VLT: 30%

OPTICAL DENSITY (OD)
OD 5+ @ 730 - 855 nm
OD 7+ @ 750 - 840 nm
OD 5+ @ 10600 nm

THICKNESS
.125" (+/- .02")

SIZE
Maximum 24" x 36" - Custom sizes available



P5K10

Color: Green
Material: Acrylic
VLT: 10%

OPTICAL DENSITY (OD)
OD 3+ @ 780 - 808 nm
OD 4+ @ 808 - 850 nm
OD 5+ @ 850 - 870 nm
OD 6+ @ 870 - 900 nm
OD 7+ @ 900 - 1070 nm
OD 6+ @ 1070 - 1100 nm
OD 5+ @ 1100 - 1400 nm
OD 4+ @ 1400 - 1750 nm

THICKNESS
.125" and .250" (+/- .02")

SIZE
Maximum 36" x 48" - Custom sizes available - also in CE



P5N01

Color: Orange
Material: Acrylic
VLT: 38%



OPTICAL DENSITY (OD)

OD 5+ @ 190 - 375 nm
 OD 4+ @ 375 - 532 nm
 OD 6+ @ 532 nm
 OD 5+ @ 10600 nm

THICKNESS

.125" and .250" (+/- .02")

SIZE

Maximum 36" x 48" - Custom sizes available

P5P01

Color: Light Green
Material: Acrylic
VLT: 65%



OPTICAL DENSITY (OD)

OD 6+ @ 180 - 315 nm
 OD 5+ @ 315 - 420 nm
 OD 3+ @ 790 - <820 nm
 OD 4+ @ 820 - <850 nm
 OD 5+ @ 850 - <940 nm
 OD 6+ @ 940 - 1065 nm
 OD 4+ @ 1065 - 1080 nm
 OD 3+ @ 2750 - 3000 nm

THICKNESS

.125" and .250" (+/- .02")

SIZE

Maximum 36" x 48" - Custom sizes available - also in CE

P5P04

Color: Light Blue
Material: Acrylic
VLT: 46%



OPTICAL DENSITY (OD)

OD 5+ @ 190 - 375 nm
 OD 6+ @ 694 nm
 OD 5+ @ 670 - 710 nm
 OD 5+ @ 10600 nm

THICKNESS

.125" (+/- .02")

SIZE

Maximum 24" x 36" - Custom sizes available

P5P05

Color: Green
Material: Acrylic
VLT: 40%



OPTICAL DENSITY (OD)

OD 5+ @ 190 - 375 nm
 OD 6+ @ 900 - 950 nm
 OD 7+ @ 950 - 1085 nm
 OD 5+ @ 10600 nm

THICKNESS

.125" and .250" (+/- .02")

SIZE

Maximum 36" x 48" - Custom sizes available

P5P06

Color: Brown
Material: Acrylic
VLT: 6%



OPTICAL DENSITY (OD)

OD 5+ @ 190 - 375 nm
 OD 4+ @ 375 - 532 nm
 OD 4+ @ 900 - 1070 nm
 OD 5+ @ 1064 nm
 OD 5+ @ 10600 nm

THICKNESS

.125" (+/- .02")

SIZE

Maximum 24" x 36" - Custom sizes available

P5P07

Color: Green
Material: Acrylic
VLT: 21%



OPTICAL DENSITY (OD)

OD 6+ @ 200 - 410 nm
 OD 2+ @ 640 - 1106 nm
 OD 4+ @ 680 - 1080 nm
 OD 6+ @ 692 - 1064 nm
 OD 5+ @ 10600 nm

THICKNESS

.125" (+/- .02")

SIZE

Maximum 24" x 36" - Custom sizes available

P5P10

Color: Blue
Material: Polycarbonate
VLT: 16%



OPTICAL DENSITY (OD)

OD 10+ @ 180 - 315 nm
 OD 8+ @ >315 - 385 nm
 OD 4+ @ >385 - 400 nm
 OD 2+ @ 730 - <770 nm
 OD 3+ @ 770 - <800 nm
 OD 4+ @ 800 - <840 nm
 OD 5+ @ 840 - <880 nm
 OD 6+ @ 880 - <960 nm
 OD 7+ @ 960 - <1030 nm
 OD 8+ @ 1030 - 2200 nm
 OD 4+ @ >2200 - 3600 nm
 OD 3+ @ >3600 - 4800 nm
 OD 4+ @ >4800 - 11500 nm
 OD 6+ @ 10600 nm

THICKNESS

.125" and .250" (+/- .02")

SIZE

Maximum 59" x 78" - Custom sizes available - also in CE

P5P12

Color: Light Blue
Material: Polycarbonate
VLT: 20%



OPTICAL DENSITY (OD)

OD 10+ @ 180 - 315 nm
 OD 8+ @ >315 - 385 nm
 OD 3+ @ >385 - 400 nm
 OD 2+ @ 740 - <800 nm
 OD 3+ @ 800 - <830 nm
 OD 4+ @ 830 - <890 nm
 OD 5+ @ 890 - <940 nm
 OD 6+ @ 940 - 1400 nm
 OD 3+ @ >1400 - 2000 nm
 OD 4+ @ >2000 - 3600 nm
 OD 3+ @ >3600 - 4800 nm
 OD 4+ @ >4800 - 11500 nm

THICKNESS

.125" and .250" (+/- .02")

SIZE

Maximum 59" x 78" - Custom sizes available - also in CE

Laser Safety Face shields

Made of lightweight, durable, heat and cold-resistant, optical-quality acrylic. The large contoured shield offers maximum eye and face protection.

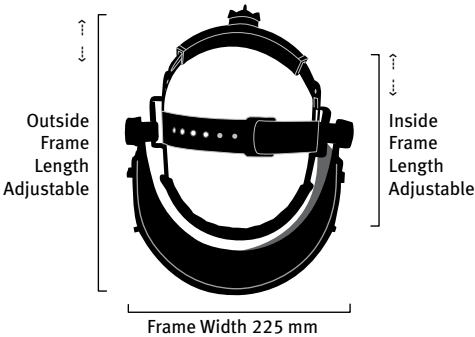
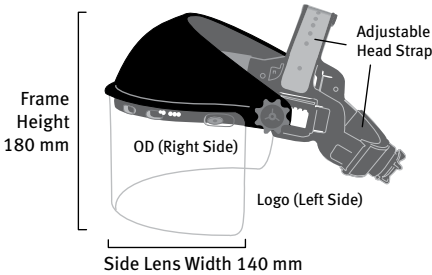
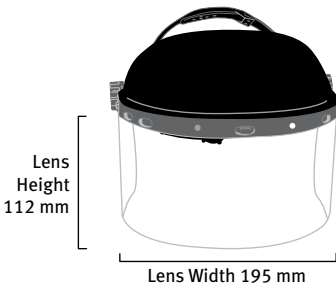
Adjustable head piece provides versatility and comfort for laser applications. Accommodates fit-over prescription eyewear.

Available in multiple filter options and lens height.



Face shield specifications

Color:
Black



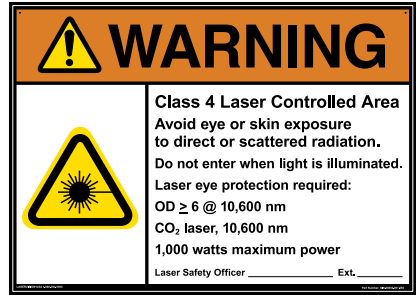
Face shield filters



Laser Safety Signs and labels

Keep personnel safe and aware with appropriate signs and labels in laser environments. laservision provides a complete line of warning, caution, danger and notice signs that are available in both standard and custom formats.

We will **customize** your sign for any laser application, including options for additional languages.



Sign material:

- Lighted Sign (12"x16"x2")
- Plastic (10"x14"x1/8")
- Magnetic (10"x14"x1/8")
- Label (10"x14")
- 3 Labels at: (5"x3"), (3"x2"), (2"x1.5")

Laser Safety Gloves

- Certified for diode and Nd:YAG (800...1100 nm)
- Tested at 4.7 W/cm² against laser radiation of 1064 nm wavelength before exceeding the MPE Skin-Value
- Durable and comfortable
- Coated finger tips and palm protects delicate laser optics and optical elements from sweat and other liquids



ALG.FC31.1007 Extra small size
 ALG.FC31.1008 Small size
 ALG.FC31.1009 Medium size
 ALG.FC31.1010 Large size

laservision®

Laser Safety

Eyewear • Barriers • Windows • Training

laservision USA, LP

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Saint Paul, Minnesota 55130

T 800-393-5565

P 651-357-1800

F 651-357-1830

E info@lasersafety.com

W lasersafety.com

ISO Certified

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we protect your eyes

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