



laservision®

**Laser Safety
EYEWEAR**

v7

WE PROTECT YOUR EYES

LASER SAFETY

Eyewear • Barriers • Windows • Training

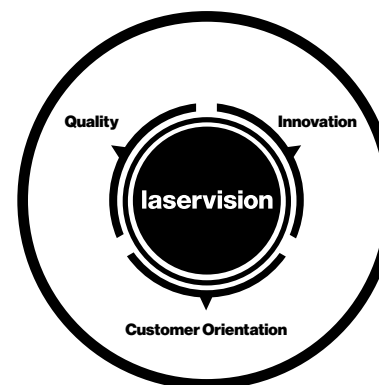
EYEWEAR CATALOG

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Laservision Brand and Vision

As one of the leading manufactures of laser safety products, we want to secure and further develop our position through innovative products and services, based on the precise needs of customers. Protecting eyes from artificial optical radiation is our core mission. With our high level of expertise, new ideas and a passionate dedication we will continuously meet this challenge.



Innovation

Laservision delivers reliable eye protection against laser radiation. Rapid advancements in laser technology mean that we are constantly facing new challenges, which we overcome with innovative products and services. Comprehensive expertise, longstanding experience and a motivated team are the perfect combination to ensure the continued advancement of exceptional innovation at Laservision. In this way, we can stay true to the 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 innovative products are a step ahead when it comes to quality. The highest quality standards apply to our laser protection products. ISO-certified processes guarantee the reliability, precision and durability of Laservision products at all times. Uncompromising quality is essential, especially in the highly sensitive area of laser protection. The Laservision brand will continue to meet this requirement in the future with its innovative, high-quality products, which can be relied on completely.

Customer Orientation

We understand the precise needs of our customers and this knowledge forms the basis and focus of our work. On 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. Custom focus is an important part of our brand values



LASER SAFETY

Rapid advancement of laser technology is making laser safety of greater importance 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 offer you the best and most innovative laser safety protection. Our product catalog is focused on laser safety eyewear and commonly used filters.

Eyewear Filters

Maximum laser protection and optimal comfort, packaged together with a stylish design:

- Filters with high Optical Density (OD)
- **ANSI** and **CE** certified laser safety
- Wide selection: 2,000+ custom filters
- Customized modifications available



Glass Filters *page 18*

Industry leader in glass produced at our advanced facility in St. Paul, MN. Glass provides high Optical Density (OD) and superior scratch resistance.



Polycarbonate Filters *page 28*

Advanced collection of polycarbonate filters that are lightweight and more economical.



Thin Film Coated Filters *page 44*

Provide multi-wavelength and narrow band protection options, providing high Optical Density (OD) and VLT specifications.



Alignment Filters *page 50*

Developed for laser operators, technicians, engineers, maintenance, and service personnel who occasionally need to safely observe light emitted from visible lasers (400nm – 700nm) while performing critical alignment procedures.



Medical and Patient Safety *page 56*

Laservision provides laser safety options for **Surgeons, Dermatologists, Veterinarians, Dentists**, and their **Patients**.

- Application specific filters for medical lasers
- Aesthetic and IPL laser safety
- Medical Laser Safety Officer and awareness training - online or custom options hosted at your hospital, medical facility, spa, or clinic
- Auditing and consulting services
- Laser safety for pets and horses



Barriers - Large Area Protection

see Barrier Brochure

We build our laser safety barriers in-house and guarantee quality with fast lead time. Our team will work with you to find best solutions for your project requirements.

- **Barriers (Curtains and Panels)**
- **Windows and Domes**

These systems are used to contain hazardous beams and reflections. Additional items include:

- **Enclosures and Interlocks,**
- **Signs and Labels.**

Custom options available.



Training & Services

Our Laser Safety Officers are certified to address your safety issues and present methods for controlling those laser hazards according to the ANSI Standards.

- **Online training** - study at your own pace
- *Corporate subscriptions available*
- **Custom Training:** CLSO's will train your entire staff at one time at your location
- Professional laser safety **Auditing** and **Consulting** services

Contact us to schedule your training today.

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
Distance 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°

F02

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



F02 Frame Specifications

Lens Width	61 mm
Lens Height	49 mm
Distance 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
Distance 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°

Prescription Insert

A01.RX

Available for:
F01 only



Temple Options

A02.STRAP

Alternative solution for Duoflex temples an elastic head strap or malleable temples. straps are adjustable and temples can be bent to match different head sizes.

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 fit-over style and lightweight
- Stylish bronze color
- Adjustable ear piece allows quick and easy manual adjustment



F07 Frame Specifications

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

F08

- Small and lightweight frame for petite faces
- Adjustable ear piece allows quick and easy manual adjustment



F08 Frame Specifications

Lens Width	59 mm
Lens Height	43 mm
Distance Between Lenses	12 mm
Frame Height	47 mm
Frame Length	153 mm
Frame Width	134 mm
Temple Length	90 mm

F09

- Large, lightweight, fit-over style
- Adjustable ear piece allows quick and easy manual adjustment



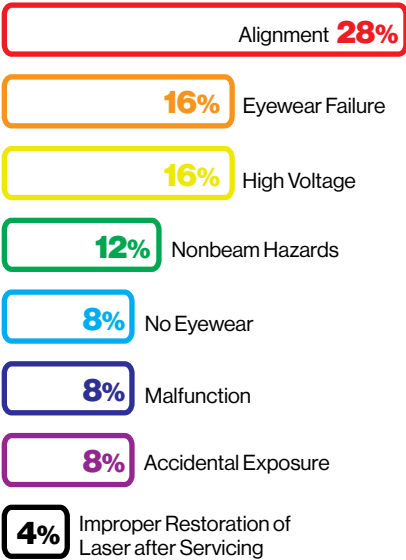
F09 Frame Specifications

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

LASER ACCIDENTS

Most laser accidents occur because adequate control measures are not in place: for example, doing procedures without laser safety eyewear or wearing the wrong eyewear for the laser used. The chart summarizes the causes of most accidents using lasers.

Causes of Laser Accidents
Percentage of Occurrence



Selection from the book
Fundamentals of Photonics 2008
Author: Chandrasekhar Roychoudhuri
©2008 Society of Photo-Optical Instrumentation
Engineers DOI: 10.1117/3.784938.ch2



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 Between 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
- Adjustable elastic strap
- Optional anti-fog insert accessory
- Optional metal-reinforced version as R14
- Foam and rubber seal included with eyewear



F14 / R14 Frame Specifications

Lens Width	66 mm
Lens Height	45 mm
Distance Between Lenses	12 mm
Frame Height	80 mm
Frame Length	Adjustable
Frame Width	160 mm
Temple Length	Adjustable

F14 / R14

Cushion Foam Seal

A14.FORUB.1000

The foam version features an extremely high wearing comfort especially for users with prescription eyewear. Fastening is an easy snap-on process.

Sold in a pack of 5



Cushion Rubber Seal

A14.LIPSE.1000

The lip seal version shows its advantages in particular in visitor use. Fastening is an easy snap-on process.

Sold in a pack of 5



Anti Fog Inserts

A14.FAFS

To prevent fogging special plastic sheets are coated with nanoparticles that absorbs humidity.



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
Distance 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 soft grip tips for a safe, stable pressure free fit
- Flex temple - bendable hold with side arm grips to fit a variety of face shapes



F18 Frame Specifications

Lens Width	155 mm
Lens Height	35 mm
Distance 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.

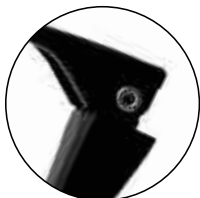
F22

- Innovative design with optimal field of view
- Fits-over prescription eyewear
- Comfortable soft grip tips for a safe, stable pressure free fit
- Conventional temple - traditional fold with flex side arm grips for a custom fit



F22 Frame Specifications

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



Fold-in temple

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

"I want to ensure my eyes and my patients are safe when I am using a laser."



Frame Styles

F19 Black

- Lightweight frame
- Durable with soft nose cushion for comfort



F19 / F20 / F21 Frame Specifications

Lens Width	55 mm
Lens Height	35 mm
Distance 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



F24

- Maximum comfort and performance
- Durable, strong, and lightweight
- Features sculpted soft pad inserts
- Hypoallergenic soft rubber nose and temple ends
- Includes removable and adjustable elastic strap



F24 Frame Specifications

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



Sculpted Pad Insert

Eyewear includes soft foam pad for a comfortable fit around the face.

F25

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



F25 Frame Specifications

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



Rubber Nose Pad

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

“My college lab instructor promotes laser safety everyday.”

Frame Styles

F29

- Adjustable sidearms
- Large lens for greater field of view
- Light weight and good face fit for comfort
- Softflex nose material
- Temple inclination to five positions
- Completely metal free



F29 Frame Specifications

Lens Width	68 mm
Lens Height	45 mm
Distance 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

F30

- Large lens for greater field of view
- Soft nose piece
- Low weight and good face fit for comfort
- Flexible / Adjustable rubber temples
- Fits over most prescription eyewear



F30 Frame Specifications

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

Available Summer 2016

Eyewear Filters

Glass Filters

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- T5B02



Glass Filters - T

Laservision is the industry leader in glass filters for laser eyewear, produced in our advanced facility in Saint Paul, MN. Glass provides high optical density (OD) and long usage with its superior scratch resistance.

Absorbing glass filters are purchased from glass manufacturers in large uncut and unpolished sheets based on their published technical performance specifications (i.e., transmittance, refractive index, reflection factors, etc.). Smaller filter glass squares are cut from these larger sheets and stacked on clay concave forms in a kiln for up to 24 hours where they are 'slumped' into an approximate base curvature. Once removed from the kiln they are polished to exact thickness, cut to required shape and the edges beveled to ensure a proper fit with various frame and goggle styles.

T5A03

Color: Light Yellow
Material: Glass
VLT: 85%



OPTICAL DENSITY (OD)

OD 7+ @ 190 - 395 nm

LASERS:

Excimer, Nd:YAG (4H)

APPLICATIONS:

Ablation - Material Removal, Cladding, Cutting & Scribing, Drilling, Industrial, Microdrilling, Micromachining, Ophthalmology, Research, Welding & Soldering

AVAILABLE FRAMES



Glass Filters - T

T5B06

Color: Purple
Material: Glass
VLT: 1%



OPTICAL DENSITY (OD)

OD 6+ @ 510 - 680 nm

LASERS:

Argon, He Ne, Nd:YAG (KTP, 2H)

APPLICATIONS:

GYN, Medical and Life Sciences, Research, Urology

AVAILABLE FRAMES



T5B07

Color: Purple
Material: Glass
VLT: 29%



OPTICAL DENSITY (OD)

OD 3+ @ 570 - 595 nm
OD 6+ @ 583 - 590 nm

LASERS:

Diode, Dye

APPLICATIONS:

Flow Cytometry, GYN, Medical and Life Sciences, Research, Urology

AVAILABLE FRAMES



T5D02

Color: Clear
Material: Glass
VLT: 90%



OPTICAL DENSITY (OD)

OD 6+ @ 10600 nm

LASERS:

CO₂

APPLICATIONS:

Cutting, Dermabrasion, Dermatology, Industrial, Laser Surgery, LIDAR, Medical, Military, Range Finding, Research, Skin Resurfacing, Welding

AVAILABLE FRAMES



Glass Filters - T

T5E02

Color: Orange
Material: Glass
VLT: 40%



OPTICAL DENSITY (OD)

OD 9+ @ 180 - 315 nm
 OD 8+ @ 315 - 532 nm

LASERS:

Argon, Excimer, Nd:YAG (2H)/(KTP) Nd:YAG (3H)
 Nd:YAG (4H)

APPLICATIONS:

Research, Urology, Dermatology

AVAILABLE FRAMES



T5E04

Color: Yellow
Material: Glass
VLT: 84%



OPTICAL DENSITY (OD)

OD 7+ @ 190 - 450 nm

LASERS:

Excimer, Nd:YAG (4H)

APPLICATIONS:

Industrial, Microdrilling, Micromachining,
 Ophthalmology, Research, Surface Cleaning and
 Stripping of Plastics, Ceramics and Metals

AVAILABLE FRAMES



T5E06

Color: Red
Material: Glass
VLT: 10%



OPTICAL DENSITY (OD)

OD 7+ @ 190 - 565 nm
 OD 5+ @ 565 - 578 nm

LASERS:

Argon, Diode, Excimer, Nd:YAG (2H)/(KTP),
 Nd:YAG (3H), Nd:YAG (4H)

APPLICATIONS:

GYN, Medical, Research, Urology

AVAILABLE FRAMES



T5H03

Color: Blue
Material: Glass
VLT: 22%



OPTICAL DENSITY (OD)

OD 4+ @ 630 - 690 nm
 OD 7+ @ 690 - 970 nm
 OD 5+ @ 970 - 1100 nm

LASERS:

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

APPLICATIONS:

Cutting, Dermatology, Skin Rejuvenation,
 Tattoo Removal, Welding

AVAILABLE FRAMES



Glass Filters - T

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, Dye, Fiber, He Ne, Nd:YAG, Ruby, Ti:Sapphire

APPLICATIONS:

Dermatology, Industrial, Material Processing, Medical Device Manufacturing, Skin Rejuvenation, Tattoo Removal, Research

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, Dye, He Ne, Nd:YAG, Ruby, Ti:Sapphire

APPLICATIONS:

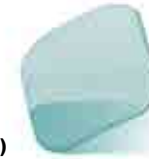
Dermatology, Industrial, Material Processing, Medical Device Manufacturing, Skin Rejuvenation, Tattoo Removal, Research

AVAILABLE FRAMES



T5K02

Color: Clear
Material: Glass
VLT: 71%



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, Dye, Fiber, Er:YAG, Ho:YAG, Nd:YAG

APPLICATIONS:

Industrial, Dermabrasion, Dermatology, Laser Resurfacing, LIDAR, Medical, Laser Surgery, Material Processing, Military, Medical Device Manufacturing, Range Finding, Research, Telecommunications, Urology, Veterinary

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, Dye, Excimer, He Ne, Nd:YAG, NdYAG (2H)/(KTP), ND:YAG (3H)/(4H), Ruby, Ti:Sapphire

APPLICATIONS:

Industrial, Material Processing, Medical Device Manufacturing, Research

AVAILABLE FRAMES



Glass Filters - T

T5M01

Color: Brown
Material: Glass
VLT: 23%



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, Diode, Disk, Dye, Excimer, Nd:YAG,
NdYAG (2H)/(KTP), ND:YAG (3H)/(4H),

APPLICATIONS:

Cutting, Industrial, Microdrilling, Micromachining,
Research, Surface Cleaning & Stripping of Plastics,
Ceramics & Metals, Welding

AVAILABLE FRAMES



T1M01

Color: Brown
Material: Glass
VLT: 23%



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 DI LB4 (OD 4+)
>3000 - 11500 DI LB5 (OD 5+)
LV CE

LASERS:

Argon, Diode, Disc, Dye, Fiber, Excimer, Nd:YAG,
Nd:YAG (KTP,2H), Nd:YAG (3H), Nd:YAG (4H)

APPLICATIONS:

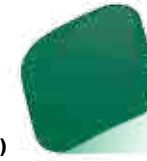
Cutting, Industrial, Microdrilling, Micromachining,
Research, Surface Cleaning & Stripping of Plastics,
Ceramics, and Metals, Welding

AVAILABLE FRAMES



T1Q01

Color: Green
Material: Glass
VLT: 35%



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 DI LB4 (OD 4+)
0,1 W 2*10E - 5J 633 RB2(OD 2-3)
LV CE

LASERS:

Argon, Diode, Disc, Dye, Excimer, Fiber, Nd:YAG,
Nd:YAG (KTP,2H), Nd:YAG (3H), Nd:YAG (4H)

APPLICATIONS:

Cutting, Industrial, Microdrilling, Micromachining,
Research, Surface Preparation, Welding

AVAILABLE FRAMES



T2K02

Color: Clear
Material: Glass
VLT: 71%



OPTICAL DENSITY (OD)

850 - 900 DIRM LB3 (OD 3+)
>900 - 950 DIRM LB4 (OD 4+)
>950 - <980 DIRM LB 5 (OD 5+)
980 - 1030 D LB 6 + IR LB7 + M LB7Y (OD 7+)
1030 - 1400 D LB 6 + IR LB8 + M LB8Y (OD 8+)
>1400 - 11500 DIR LB 4 (OD 4+)
LV CE

LASERS:

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

APPLICATIONS:

Industrial, Material Processing, Medical,
Manufacturing, Military, Laser Resurfacing,
Laser Surgery, LIDAR, Range Finding, Research,
Telecommunications

AVAILABLE FRAMES



Polycarbonate Filters - P

Polycarbonate absorbing filters are manufactured with either clear base polycarbonate materials mixed with organic dyes or from preformulated pellets where the dyes are already added. The material is then formed into eyewear 'blanks' through a thermal injection molding process. After the lens blanks are molded a special UV-cured coating is applied to both front and back surfaces to add a scratch protective layer. Polycarbonate protective eyewear provides an excellent low cost, light weight safety solution, but may have slightly lower OD's and visible light transmission (VLT) values.

P4C06

Color: Pink
Material: Polycarbonate
VLT: 65%



OPTICAL DENSITY (OD)

OD 5 @ 800 - 820 nm

DIR LB5 @ 800 - 820
 LV CE

LASERS:

Diode

APPLICATIONS:

Dental, Dermatology

AVAILABLE FRAMES



Polycarbonate Filters - P

P5B06

Color: Blue
Material: Polycarbonate
VLT: 15%



OPTICAL DENSITY (OD)

OD 6+ @ 585 nm
 OD 6+ @ 650 nm

LASERS:

Diode, Dye

APPLICATIONS:

Dermatology, Skin Rejuvenation

AVAILABLE FRAMES



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

LASERS:

Diode, Dye, Nd:YAG

APPLICATIONS:

Cutting, Dermatology, GYN, Industrial, Material Processing, Medical Device Manufacturing, Soft Tissue Dentistry, Urology, Veterinary, Welding

AVAILABLE FRAMES



P5D02

Color: Clear
Material: Polycarbonate
VLT: 91%



OPTICAL DENSITY (OD)

OD 3+ @ 2750 - 3000 nm
 OD 2+ @ 9000 - 11200 nm

LASERS:

CO₂, Er:YAG

APPLICATIONS:

Dermatology, Laser Resurfacing,

AVAILABLE FRAMES



P5D03

Color: Clear
Material: Polycarbonate
VLT: 91%



OPTICAL DENSITY (OD)

OD 4+ @ 2780 - 2940 nm

LASERS:

Er:YAG

APPLICATIONS:

Dermatology, Laser Resurfacing

AVAILABLE FRAMES



Polycarbonate Filters - P

P5D04

Color: Clear
Material: Polycarbonate
VLT: 90%



OPTICAL DENSITY (OD)
 OD 5+ @ 9000 - 11000 nm

LASERS:
 CO₂

APPLICATIONS:
 Cutting, Dermatology, Engraving, Industrial,
 Laser Surgery, Marking, Material Processing,
 Military, Medical, Ophthalmology,
 Skin Rejuvenation, Range Finding, Veterinary

AVAILABLE FRAMES



P1D04 / P5D04

Color: Clear
Material: Polycarbonate
VLT: 90%



OPTICAL DENSITY (OD)
 OD 5+ @ 190 - 390 nm
 OD 6+ @ 9000 - 11000 nm

9000 - 11000 DILB3
 LV CE

LASERS:
 CO₂

APPLICATIONS:
 Cutting, Dermatology, Engraving, Industrial,
 Laser Surgery, Marking, Material Processing,
 Military, Medical, Ophthalmology,
 Skin Rejuvenation, Range Finding, Veterinary

AVAILABLE FRAMES



P5D07

Color: Clear
Material: Polycarbonate
VLT: 80%



OPTICAL DENSITY (OD)
 OD 4+ @ 2050 - 3000 nm
 OD 5+ @ 10600 nm

LASERS:
 CO₂, Er:YAG, Ho:YAG

APPLICATIONS:
 Dermatology, Medical, Laser Resurfacing,
 Laser Surgery, Urology

AVAILABLE FRAMES



P5D08

Color: Clear
Material: Polycarbonate
VLT: 75%



OPTICAL DENSITY (OD)
 OD 1+ @ 1260 - <1400 nm
 OD 1+ @ 1400 - <1410 nm
 OD 2+ @ 1410 - <1530 nm
 OD 3+ @ 1530 - 11500 nm

LASERS:
 CO₂, Diode

APPLICATIONS:
 Telecommunications

AVAILABLE FRAMES



Polycarbonate Filters - P

P5D09

Color: Light Grey
Material: Polycarbonate
VLT: 55%



OPTICAL DENSITY (OD)

OD 4+ @ 1800 - 3000 nm
 OD 5+ @ 1980 - 2550 nm
 OD 6+ @ 10600 nm

LASERS:

CO₂, Er:YAG, Ho:YAG

APPLICATIONS:

Dermatology, Medical, Laser Resurfacing,
 Laser Surgery, Urology

AVAILABLE FRAMES



P5E01

Color: Orange
Material: Polycarbonate
VLT: 40%



OPTICAL DENSITY (OD)

OD 7+ @ 190 - 315 nm
 OD 6+ @ 315 - 532 nm

LASERS:

Argon, Excimer, Nd:YAG (2H)/(KTP), Nd:YAG (3H),
 Nd:YAG (4H)

APPLICATIONS:

Cladding and Coating, Hardening of Metals,
 Research, Urology, Welding of Plastic

AVAILABLE FRAMES



P5E02

Color: Blue
Material: Polycarbonate
VLT: 14%



OPTICAL DENSITY (OD)

OD 6+ @ 585 - 600 nm
 OD 5+ @ >600 - 605 nm

LASERS:

Dye

APPLICATIONS:

Cutting, Marking, Skin Rejuvenation, Welding

AVAILABLE FRAMES



P5E03

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



OPTICAL DENSITY (OD)

OD 3+ @ 630 - 690 nm
 OD 7+ @ 690 - 710 nm

LASERS:

Dye, He Ne, Ruby

APPLICATIONS:

Cutting, Marking, Skin Rejuvenation, Veterinary,
 Welding

AVAILABLE FRAMES



Polycarbonate Filters - P

P5E07

Color: Grey
Material: Polycarbonate
VLT: 28%



OPTICAL DENSITY (OD)

OD 3+ @ 180 - 315 nm
 OD 3+ @ >315 - 446 nm
 OD 2+ @ >446 - 450 nm
 OD 1+ @ >450 - 455 nm
 OD 1-2 @ 515 - <522 nm
 OD 2-3 @ 522 - 533 nm
 OD 1-2 @ >533 - 540 nm
 OD 1-2 @ 622 - <635 nm
 OD 2-3 @ 635 - 659 nm
 OD 1-2 @ >659 - 666 nm

LASERS:

Green, Red, Blue

APPLICATIONS:

Alignment, Aviation, Law Enforcement, Military

AVAILABLE FRAMES



P5F01

Color: Pink
Material: Polycarbonate
VLT: 35%



OPTICAL DENSITY (OD)

OD 5+ @ 190 - 375 nm
 OD 4+ @ 730 - 855 nm
 OD 7+ @ 755 - 840 nm

LASERS:

Alexandrite, Diode, Dye, Excimer, Nd:YAG (4H),
 Ti:Sapphire

APPLICATIONS:

Dermatology, Industrial Alignment,
 Soft Tissue Dentistry

AVAILABLE FRAMES



P5H01

Color: Light 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:

Alexandrite, Diode, Dye, Ti:Sapphire

APPLICATIONS:

Dermatology, GYN, Industrial, Material
 Processing, Soft Tissue Dentistry, Medical Device
 Manufacturing, Telecommunications, Urology

AVAILABLE FRAMES



P5H02

Color: Green
Material: Polycarbonate
VLT: 42%



OPTICAL DENSITY (OD)

OD 5+ @ 700 - 820 nm

LASERS:

Alexandrite, Diode, Dye, Ruby, Ti:Sapphire

APPLICATIONS:

Cutting, Dermatology, Marking, Skin Rejuvenation,
 Welding

AVAILABLE FRAMES



Polycarbonate Filters - P

P5H03

Color: Blue
Material: Polycarbonate
VLT: 10%



OPTICAL DENSITY (OD)

OD 1+ @ 570 - <578 nm
OD 2+ @ 578 - <595 nm
OD 3+ @ 595 - <610 nm
OD 5+ @ 610 - <630 nm
OD 6+ @ 630 - <660 nm
OD 7+ @ 660 - 775 nm
OD 6+ @ 775 - 790 nm
OD 5+ @ 790 - 800 nm
OD 4+ @ 800 - 820 nm
OD 3+ @ 820 - 835 nm
OD 2+ @ 835 - 850 nm
OD 1+ @ 850 - 870 nm

LASERS:

Alexandrite, Diode, Ruby,

APPLICATIONS:

Dermatology, Hair and Tattoo Removal,

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

LASERS:

Diode, Dye, He Ne, Nd:YAG, Ti:Sapphire

APPLICATIONS:

Dentistry, Veterinary

Available in Laser Doggles®

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, Dye, Excimer, Nd:YAG,
Nd:YAG (2H)/(KTP), Nd:YAG (3H), Nd:YAG (4H),
Ti:Sapphire

APPLICATIONS:

Industrial, Material Processing, Ophthalmology,
Research, Dermatology, Laser Surgery

AVAILABLE FRAMES



P5L07

Color: Brown
Material: Polycarbonate
VLT: 10%



OPTICAL DENSITY (OD)

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

LASERS:

Alexandrite, Argon, Diode, Dye, Excimer, Nd:YAG,
Nd:YAG (2H)/(KTP), Nd:YAG (3H), Nd:YAG (4H),
Ti:Sapphire

APPLICATIONS:

Industrial, Material Processing, Ophthalmology,
Research, Dermatology, Laser Surgery

AVAILABLE FRAMES



Polycarbonate Filters - P

P1L07

Color: Brown
Material: Polycarbonate
VLT: 10%



OPTICAL DENSITY (OD)

180 - 315 D LB10 + IR LB4 + M LB6 (OD 10+)
>315 - 534 D LB6 + IR MLB8 (OD 8+)
>534 - 540 DIRMLB6 (OD 6+)
>540 - 545 DIRMLB3 (OD 3+)
630 - <660 DIRMLB1 (OD 1+)
660 - <680 DIRMLB2 (OD 2+)
680 - <700 DIRMLB3 (OD 3+)
700 - <715 DIRMLB4 (OD 4+)
715 - <725 DIRMLB5 (OD 5+)
725 - <735 DIRMLB6 (OD 6+)
735 - <745 D LB6 + IR MLB7 (OD 7+)
745 - <755 D LB6 + IRMLB8 (OD 8+)
755 - 1120 D LB6 + IR LB8 + M LB9 (OD 9+)
>1120 - 1130 D LB6 + IRMLB7 (OD 7+)
>1130 - 1135 DIRMLB6 (OD 6+)
1135 - 1145 DIRMLB5 (OD 5+)
>1145 - 1155 DIRMLB4 (OD 4+)
>1155 - 1165 DIRMLB3 (OD 3+)
>1165 - 1180 DIRMLB2 (OD 2+)
>1180 - 1210 DIRMLB1 (OD 1+)
LV CE

LASERS:

Alexandrite, Argon, Diode, Dye, Excimer, Nd:YAG,
Nd:YAG (2H)/(KTP), Nd:YAG (3H), Nd:YAG (4H),
Ti:Sapphire

APPLICATIONS:

Industrial, Material Processing, Ophthalmology,
Research, Dermatology, Laser Surgery

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:

Excimer, Diode, Fiber, Nd:YAG, Thin Disc

APPLICATIONS:

Dermatology, Dentistry, Industrial

AVAILABLE FRAMES



P5L13

Color: Brown
Material: Polycarbonate
VLT: 20%



OPTICAL DENSITY (OD)

OD 3+ @ 180 - 532 nm
OD 2+ @ >532 - 538 nm
OD 1+ @ >538 - 545 nm
OD 1+ @ 620 - <631 nm
OD 2+ @ 631 - <637 nm
OD 3+ @ 637 - 661 nm
OD 2+ @ >661 - 666 nm
OD 1+ @ >666 - 674 nm
OD 1+ @ 755 - <940 nm
OD 2+ @ 940 - 1064 nm
OD 1+ @ >1064 - 1100 nm

LASERS:

Red, Green, Blue

APPLICATIONS:

Alignment, Aviation, Law Enforcement, Military

AVAILABLE FRAMES



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:

Diode, Nd:YAG, Disk, Fiber, CO₂

APPLICATIONS:

Industrial, Material Processing, Manufacturing,
Military, Laser Resurfacing, Laser Surgery,

AVAILABLE FRAMES



Polycarbonate Filters - P

P5M02

Color: Grey
Material: Polycarbonate
VLT: 40%



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:

Nd:YAG, Disk, Fiber

APPLICATIONS:

Industrial, Marking, Military, Dermatology

AVAILABLE FRAMES



P5P03

Color: Dark Green
Material: Polycarbonate
VLT: 11%



OPTICAL DENSITY (OD)

OD 6+ @ 10600 nm

LASERS:

CO₂

APPLICATIONS:

Cutting, Engraving, Industrial, Material Processing,
 Marking, Range Finding, Veterinary

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:

Diode, Nd:YAG, Disk, Fiber, CO₂

APPLICATIONS:

Industrial, Material Processing, Manufacturing,
 Military, Laser Resurfacing, Laser Surgery

AVAILABLE FRAMES



P1P10

Color: Blue
Material: Polycarbonate
VLT: 16%



OPTICAL DENSITY (OD)

180 - 315 D LB10 + IRLB4 + MLB6 (OD 10+)
 >315 - 385 D LB6 + IRLB8 (OD 8+)
 >385 - 400 DIRM LB4 (OD 4+)
 730 - <770 DIRM LB2 (OD 2+)
 770 - <800 DIRM LB3 (OD 3+)
 800 - <840 DIRM LB4 (OD 4+)
 840 - <880 DIRM LB5 (OD 5+)
 880 - <960 DIRM LB6 (OD 6+)
 960 - <1030 D LB6 + IRLB7 (OD 7+)
 1030 - 1400 D LB6 + IRLB8 (OD 8+)
 >1400 - 3600 D LB3 + IRLB4 (OD 4+)
 >1400 - 2000 RLB3 (OD 4+)
 >3600 - 4800 DILB3 (OD 3+)
 >4800 - 11500 DILB4 (OD 4+)
 640 - 700 RB1 0,01W 2x10E-6J (OD 1+)
 LV F CE

LASERS:

Diode, Nd:YAG, Disk, Fiber, CO₂

APPLICATIONS:

Industrial, Material Processing, Manufacturing,
 Military, Laser Resurfacing, Laser Surgery

AVAILABLE FRAMES



Thin Film Coated Filters

Thin Film-coated filters provide multi-wavelength and narrow band protection options. These filters provide high Optical Density (OD) and VLT specifications. Laservision offers both glass and polycarbonate options.

Reflective or thin-film coating of protective laser eyewear is achieved by the same process as that used in producing various high-reflective (HR) or anti-reflective (AR) laser optics. This is done by applying physical vapor deposition (PVD) technology of dielectric materials upon suitable substrates. Precise ($\frac{1}{4}$ wavelength thickness) vapor deposition of alternate HI-LO index of refraction dielectric coatings is applied directly to absorptive polycarbonate or glass filter materials. This provides laser protection by reflective as well as absorptive properties. Thin-film protective laser eyewear is lightweight and has excellent VLT values.

T5B03

Color: Purple
Material: Glass
VLT: 20%



OPTICAL DENSITY (OD)

OD 6+ @ 530 - 535 nm

LASERS:

Nd:YAG (4H)/(KTP)

APPLICATIONS:

Dermatology ENT, GYN, Medical, Urology

AVAILABLE FRAMES



Thin Film Coated Filters

T5B05

Color: Blue
Material: Glass
VLT: 27%



OPTICAL DENSITY (OD)

OD 3+ @ 560 - 570 nm
OD 5+ @ 570 - 650 nm

LASERS:

Dye, Diode

APPLICATIONS:

Aesthetics, Dermatology

AVAILABLE FRAMES



T5K04

Color: Light Grey
Material: Glass
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:

Alexandrite, Diode, Disk, Er:YAG, Ho:YAG, Nd:YAG, Ti:Sapphire

APPLICATIONS:

Cutting, Dermatology, Engraving, Industrial, Laser Surgery, Materials Processing, Medical, Military, Ophthalmology, Range Finder, Skin Rejuvenation, Veterinary

AVAILABLE FRAMES



T5K07

Color: Blue-Green
Material: Glass
VLT: 60%



OPTICAL DENSITY (OD)

OD 7+ @ 740 - 770 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:

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

APPLICATIONS:

Dermatology, Hair Removal, Industrial, Materials Processing, Medical Device Manufacturing, Surgery, Tattoo Removal, Telecommunications

AVAILABLE FRAMES



T5K08

Color: Purple
Material: Glass
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:

Diode, Disk, Fiber, Nd:YAG, Nd:YAG (2H)/(KTP)

APPLICATIONS:

Cutting, Dermatology, ENT, GYN, Industrial, Medical, Research, Urology, Welding

AVAILABLE FRAMES



Thin Film Coated Filters

T5K11

Color: Clear
Material: Glass
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:

Alexandrite, Diode, Disk, Er:YAG, Ho:YAG, Nd:YAG, Ti:Sapphire

APPLICATIONS:

Cutting, Dermatology, Engraving, Industrial, Material Processing, Laser Surgery, Marking, Medical, Military, Ophthalmology, Range Finding, Research, Skin Rejuvenation, Veterinary

AVAILABLE FRAMES



T5K12

Color: Blue-Green
Material: Glass
VLT: 49%



OPTICAL DENSITY (OD)

OD 6+ @ 694 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:

Alexandrite, Argon, Diode, Disk, Dye, Er:YAG (Erbium YAG), Excimer, He Ne (Helium-neon), Ho:YAG, (Holmium YAG), Nd:YAG, Nd:YAG (KTP, 2H), Nd:YAG (3H), Nd:YAG (4H), Ruby, Ti:Sapphire

APPLICATIONS:

Dermatology, Hair Removal, Industrial, Materials Processing, Medical Device Manufacturing, Surgery, Tattoo Removal, Telecommunications

AVAILABLE FRAMES



T5L04

Color: Orange
Material: Glass
VLT: 29%



OPTICAL DENSITY (OD)

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

LASERS:

Argon, Excimer, Nd:YAG (2H)/(KTP), Nd:YAG (3H), Nd:YAG (4H)

APPLICATIONS:

Material Processing, Research

AVAILABLE FRAMES



Alignment Filters

Laservisions alignment filters are developed for laser operators, technicians, engineers, maintenance, and service personnel who may occasionally need to safely observe light emitted from visible lasers (400nm – 700nm) while performing critical alignment procedures.

Also available from Laservision:

Laser Safety Lab Curtains



Laser Safety Lab Panels



Modular design with time saving assembly.
Providing accessibility to the optical components while maintaining laser safety parameters

P4B05

Color: Blue
Material: Polycarbonate
VLT: 42%



OPTICAL DENSITY (OD)

650 - <660 DIR LB2 (OD 2+)
660 - <665 DIR LB3 (OD 3+)
665 - <670 DIR LB4 (OD 4+)
670 - 680 D LB 5 + IR LB 7 (OD 7+)
610 - 650 0,1W 2x10E-5J RB2 (OD 2-3)
LV CE

LASERS:

Diode

APPLICATIONS:

Alignment

AVAILABLE FRAMES



Alignment Filters

P5B01

Color: Orange
Material: Polycarbonate
VLT: 54%



OPTICAL DENSITY (OD)
OD 1 @ 532 nm

LASERS:
Nd:YAG (2H)/(KTP)

APPLICATIONS:
Alignment

AVAILABLE FRAMES



P5B02

Color: Orange
Material: Polycarbonate
VLT: 49%



OPTICAL DENSITY (OD)
OD 2 @ 532 nm

LASERS:
Nd:YAG (2H)/(KTP)

APPLICATIONS:
Alignment

AVAILABLE FRAMES



P5B03

Color: Blue
Material: Polycarbonate
VLT: 67%



OPTICAL DENSITY (OD)
OD 1 @ 633 nm

LASERS:
He Ne

APPLICATIONS:
Alignment

AVAILABLE FRAMES



P5E07

Color: Grey
Material: Polycarbonate
VLT: 28%



OPTICAL DENSITY (OD)
OD 3+ @ 180 - 315 nm
OD 3+ @ >315 - 446 nm
OD 2+ @ >446 - 450 nm
OD 1+ @ >450 - 455 nm
OD 1-2 @ 515 - <522 nm
OD 2-3 @ 522 - 533 nm
OD 1-2 @ >533 - 540 nm
OD 1-2 @ 622 - <635 nm
OD 2-3 @ 635 - 659 nm
OD 1-2 @ >659 - 666 nm

LASERS:
Green, Red, Blue

APPLICATIONS:
Alignment, Aviation, Law Enforcement, Military

AVAILABLE FRAMES



P5L10

Color: Orange
Material: Polycarbonate
VLT: 40%



OPTICAL DENSITY (OD)

OD 8+ @ 180 - 315 nm
 OD 6+ @ >315 - 500 nm
 OD 4+ @ >500 - 532 nm
 OD 2+ @ 800 - <975 nm
 OD 4+ @ 975 - 1070 nm

LASERS:

Nd:YAG

APPLICATIONS:

Alignment

AVAILABLE FRAMES



P5L13

Color: Brown
Material: Polycarbonate
VLT: 20%



OPTICAL DENSITY (OD)

OD 3+ @ 180 - 532 nm
 OD 2+ @ >532 - 538 nm
 OD 1+ @ >538 - 545 nm
 OD 1+ @ 620 - <631 nm
 OD 2+ @ 631 - <637 nm
 OD 3+ @ 637 - 661 nm
 OD 2+ @ >661 - 666 nm
 OD 1+ @ >666 - 674 nm
 OD 1+ @ 755 - <940 nm
 OD 2+ @ 940 - 1064 nm
 OD 1+ @ >1064 - 1100 nm

LASERS:

Red, Green, Blue

APPLICATIONS:

Alignment, Aviation, Law Enforcement, Military

AVAILABLE FRAMES



T5B01

Color: Grey
Material: Glass
VLT: 1%



OPTICAL DENSITY (OD)

OD 2 @ 400 - 650 nm
 OD 1.5 @ 650 - 700 nm

LASERS:

Diode, Nd:YAG (2H)/(KTP)

APPLICATIONS:

Alignment, Research, Telecommunications

AVAILABLE FRAMES



T5B02

Color: Light Grey
Material: Glass
VLT: 5%



OPTICAL DENSITY (OD)

OD 1+ @ 400 - 700 nm

LASERS:

Diode, Nd:YAG (2H)/(KTP)

APPLICATIONS:

Alignment, Research, Telecommunications

AVAILABLE FRAMES



Medical Laser Safety

Patient Protection

During medical laser treatment patient eye protection is extremely important. Laservision takes care of this challenge and provides patients excellent eye protection for laser treatment in the facial area.

Silicone Eye Shields

P07.P1P11.1000

Developed in close cooperation with medical professionals and is compatible with virtually all medical lasers.

- High Protection rating and comfortable to wear
- Flexible nose bridge and strap
- Re-usable self-adhesive eye caps
- Bridge moves to allow treatment of the nose



P07 Specifications

Eye Cap Width	45 mm
Eye Cap Height	32 mm
Distance Between Caps	15 - 50 mm
Frame Height	40 mm
Frame Length	82 mm
Frame Width	170 - 220 mm
Temple Length (Strap)	Adjustable

Specifications - CE Certified

180 - 315 nm D LB10 + IR LB5 + M LB6
 >315 - 1400 nm D LB6 + IR LB9 + M LB7
 >1400 - 11500 nm D/LB4
 LV CE



Re-usable and exchangeable caps

Stainless Steel Eye Shields

P04.M1P02.5000

- Bend to fit adjustable nose piece
- Non-reflective brushed stainless steel
- Easy to clean and strong to last
- Access to nose and around eyes



P04 Specifications

Eye Cap Width	48 mm
Eye Cap Height	30 mm
Distance Between Caps	25 mm
Frame Height	30 mm
Frame Length	Adjustable
Frame Width	122 mm
Temple Length	Adjustable

Specifications - CE Certified

180 - 315 nm D LB9 + R LB3
 >315 - 1400 nm D LB6 + IR LB7
 >1400 - 11600 nm D/LB4

EyeLids

P10.P5P13.5001

Ergonomically shaped to fit the contours of eye for maximum protection and comfort

- High laser protection rating
- Disposable - Economical solution
- Comfortable soft material
- High resistance to thermal and optical energy
- Easy to grip handles allow for repositioning
- Access to nose and around eyes

Sold in a pack of 12



P10 Specifications

Eye Cap Width	50 mm
Eye Cap Height	32 mm
Eye Cap Depth	22 mm

Specifications

OD 7+ @ 190 - 11000 nm



Safe for use with:

Lasers, IPL, LED, UV, Microdermabrasion, Chemical Peel, Facial Therapies

Pediatric Laser Safety

PKT.P5P10.5000

Pediatric Laser Safety Eyewear Kit is designed to protect children's eyes from laser exposure during laser procedures. Eyewear is sold individually or as a kit.

- Kit includes two eyewear and cleaning solution
- Frame colors may vary
- Available in most polycarbonate filters



PKT Frame Specifications

Lens Width	49 mm
Lens Height	28 mm
Distance Between Lenses	18 mm
Frame Height	33 mm
Frame Length	144 mm
Frame Width	130 mm
Temple Length	100 mm



Medical Laser Safety

Intense Pulse Light (IPL) Protection

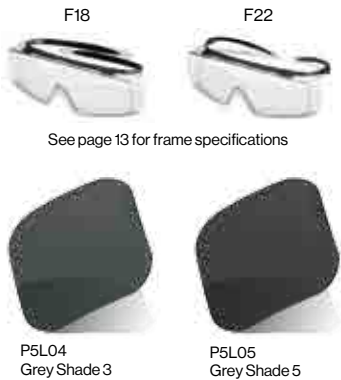
For use during IPL procedures to reduce the amount of intense light, and to protect your eyes from dermatology procedures.



Grey IPL Eyewear

F18.P5L04.5000 and F22.P5L04.5000
F18.P5L05.5000 and F22.P5L05.5000

- Provides excellent color recognition and is ideal for cosmetic applications
- Lightweight and fits over prescription eyewear
- Innovative flex temples with hinges.

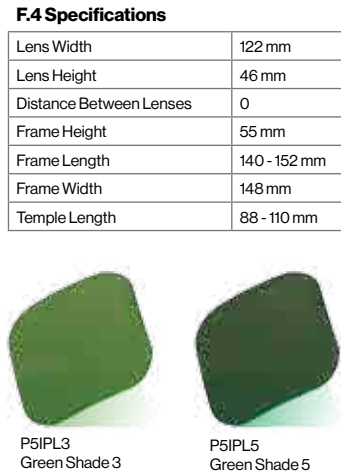


See page 13 for frame specifications

Green IPL Eyewear

F.4.P5IPL3.5000 and F.4.P5IPL5.5000

- Lightweight and fits over prescription eyewear
- For IPL or other high brightness non-coherent light sources



F.4 Specifications

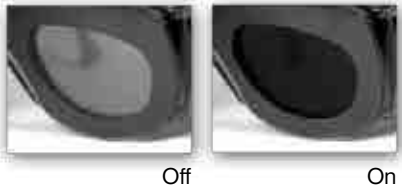
Lens Width	122 mm
Lens Height	46 mm
Distance Between Lenses	0
Frame Height	55 mm
Frame Length	140 - 152 mm
Frame Width	148 mm
Temple Length	88 - 110 mm

P5IPL3
Green Shade 3

P5IPL5
Green Shade 5

IPL Auto Darkening Protection

The Pulse eyewear is advanced technology that automatically darkens with IPL flash to protect your eyes, eliminate eye strain, and prevent headaches.



Pulse

F04.P5IPLH.5000 (Clear)

- Patented auto-darkening technology
- Glare reduction factor 9 in Protection Mode
- Sensor detects IPL and darkens filter in 0.5 milliseconds.
- Recovery time between modes is 0.5 seconds



Pulse Frame Specifications

Lens Width	48 mm
Lens Height	35 mm
Distance Between Lenses	30 mm
Frame Height	60 mm
Frame Length	120 - 140 mm
Frame Width	154 mm
Temple Length	110 - 125 mm



Also available :
F04.P5IPLP.5000 (Green)

Pulse XTR

F04.P5L11.5000

- Advanced sport style
- Transitions between viewing and protection modes in less than one millisecond
- Full color visible transmission in viewing mode
- Glare reduction factor of 9+ in protection mode
- Flip-up shield protects auto-darkening LCD
- Weight of 42 grams makes this the lightest weight auto-darkening eyewear on the market



Pulse XTR Frame Specifications

Lens Width	45 mm
Lens Height	32 mm
Distance Between Lenses	30 mm
Frame Height	48 mm
Frame Length	162 mm
Frame Width	154 mm
Temple Length	105 mm

Medical Laser Safety

Our innovative laser safety products for doctors, nurses, medical staff, and their patients focus on laser surgery, dentistry, dermatology, and veterinary medicine.



Medical Laser Safety Audits, Consulting and Training

Programs developed for doctors, nurses and other medical personnel working in a medical setting using lasers. **Laservision Academy** uses only Board of Laser Safety Certified Medical Laser Safety Officers to perform all consultations and training. All training is designed to address safety issues and present methods for controlling hazards. In accordance with the OSHA referenced:

ANSI Z136.3 standard

"Safe Use of Lasers in Health Care Facilities"



- **Medical Laser Safety Awareness**
Training for clinical and technical aspects are covered in this course, including you and your patients health as the number one concern.
- **Medical Laser Safety Officer (MLSO)**
Clinical, technical and administrative aspects are covered including how to set up and administer a laser safety program.

Holmium Eyewear See page 33-34

Lightweight Clear Filter - P5D07 / P5D09

- First polycarbonate for Holmium laser (2100 nm)
- 3 times lighter than glass filters
- Clear filter with high VLT, helps reduce eye fatigue
- Anti-fog coated



P5D07



P5D09

Veterinary Protection

Veterinarian Eyewear

Filters cover most therapeutic lasers.



Kit: KT0.P1C03.5000
Includes: Two eyewear and cleaning solution

ANSI and CE Specifications

OD 4+ @ 800 - 820 nm
OD 4+ @ 920 - <955 nm
OD 5+ @ 955 - 1064 nm

800 - 820, 920 - < 955 DIR LB4 (OD 4+)
955 - 1064 DIR LB5 (OD 5+)
LV CE

Laser Safety DOGGLES® for your Patients

Product is designed to protect animal's eyes from laser exposure during laser therapy. Kit includes three sizes to fit most pets from a small cat to a large dog.



Kit: DKT.P5K01.5000
Includes: D01, D02, D03 and cleaning solution

ANSI Specifications

OD 5+ @ 800-1100 nm

Doggles® is a registered trademark of Doggles®, LLC.



See more info in our Laser Safety Veterinary Brochure



Laser Guardian Equine Mask

Providing a unique laser safety solution during laser procedures for horses.

- Keep your patient's eyes safe from laser accidents and stray reflections
- High quality handcrafted mask that incorporates laser safety protective material

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WE PROTECT YOUR EYES

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