

laservision®



Laser Safety
LARGE AREA
PROTECTION

v3

WE PROTECT YOUR EYES

laservision®

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 providing you the best and most innovative laser safety protection. This catalogue features large area protection, offering a variety of standard and custom barriers that are certified to keep you safe. Our Certified Laser Safety Officers (CLSO) are happy to assist you with all of these products, in any way we can.

LASER SAFETY

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WE PROTECT YOUR EYES

We tailor our laser safety barriers to your needs!

- Fast lead times
- Design support by our Certified Laser Safety Officers
- ISO Certified manufacturing
- Quality materials and workmanship

We build our laser safety barriers in-house with guaranteed quality and quick lead times. 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, Interlocks, Signs and Labels.

Our protective barriers are tested to withstand laser exposures according to a variety of output parameters such as beam power, beam size, exposure time, and wavelength. Frames and hardware are designed to reduce specular reflection.

Window
P5P10



Custom Barriers

Custom options can take many forms related to workplace installations, and can be integrated into machinery housing. Lasersafety offers standard and customer-specific solutions for screening which comply with the applicable standards. Due to our wide selection of materials, sizes and solutions, we advise our customers to contact us with their laser and space specifications in order to find the best possible solution.



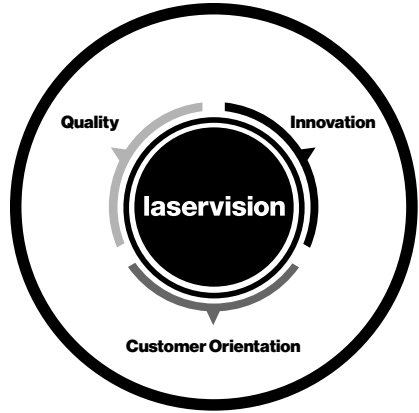
*Image courtesy
of Newport*

***Please contact our Laser Safety Experts
to discuss your requirements.
1-800-393-5565***

laservision

Our brand vision

As one of the leading manufacturers 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.



Customers must be able to completely rely on laservision.

Our manufacturing expertise throughout the entire process allows us to guarantee high-quality and reliable products, as well as advisory expertise and a personal service. We operate according to three core brand values to ensure we meet the highest standards of safety and reliability at all times.

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 with innovative, reliable and high-quality 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. Custom focus is an important part of our brand values.

Our product and services

Your worldwide **LASER SAFETY** expert for more than thirty years. We specialize in cutting-edge design, innovation, development and manufacturing of laser protective technologies. Laserservice offers a full-array of laser safety products in addition to our large area protection, keeping you safe from laser applications in medical, research, industrial, manufacturing fields and more.



Eyewear & Filters (Individuals and Patients)

Created to provide safety, comfort and style that everyone can enjoy wearing. Offering the widest selection of filters (over 2,000+ Glass and Polycarbonate, including custom options) with the highest Optical Density (OD).



Barriers (Curtains, Panels and Enclosures)

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

Large selection that 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 when a laser beam comes in contact with it.

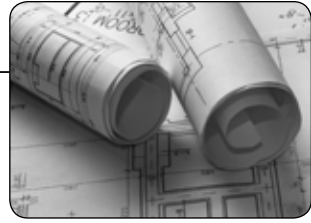


Training & Audits (Online or face-to-face)

Laser Safety Officer or Awareness training taught and created by a Board of Laser Safety Certified professionals (CLSO's), designed to address safety issues and present methods for controlling laser hazards. We have options for medical, manufacturing, industrial, engineering, military, research labs and universities. 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.

LASER SAFETY

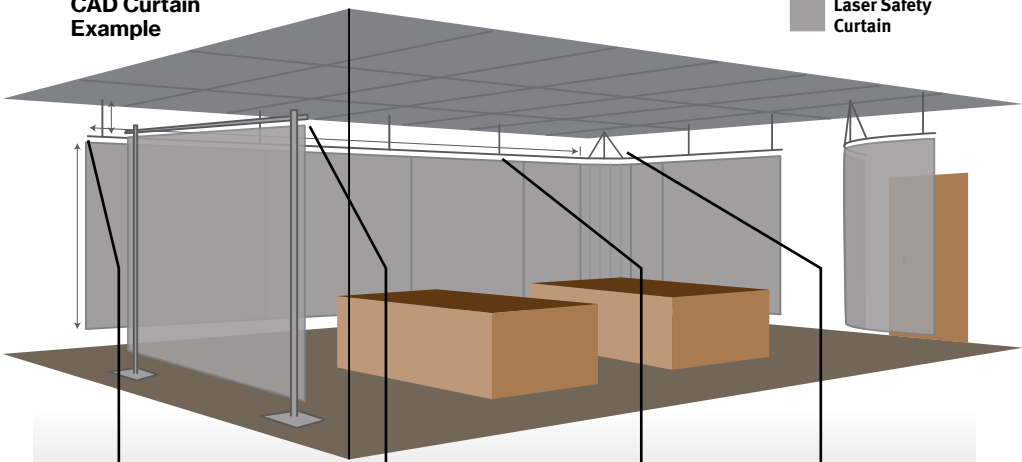
CUSTOM BARRIERS



Let us help you to design your next barrier project. Laservision has multiple CLSO's (*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. Our laser safety curtains and panels can be tailor-made in different lengths and sizes to fit any room.

CAD Curtain Example

■ Laser Safety Curtain



Wall end mount



Track with floor-mounted support



Ceiling suspended mount

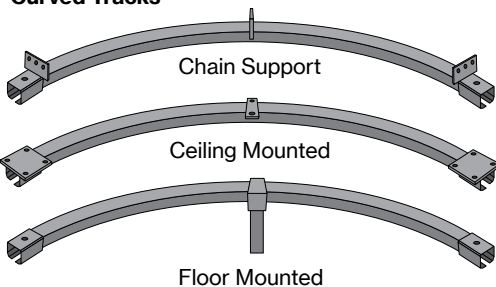


Curved roller track with chain support

Mounting options - Tracks and Accessories

Industrial grade, tough galvanized steel hardware is our standard mounting solution. We can tailor custom mounting options including ceiling, floor and along the wall, based on your laser safety application.

Curved Tracks



Chain Support

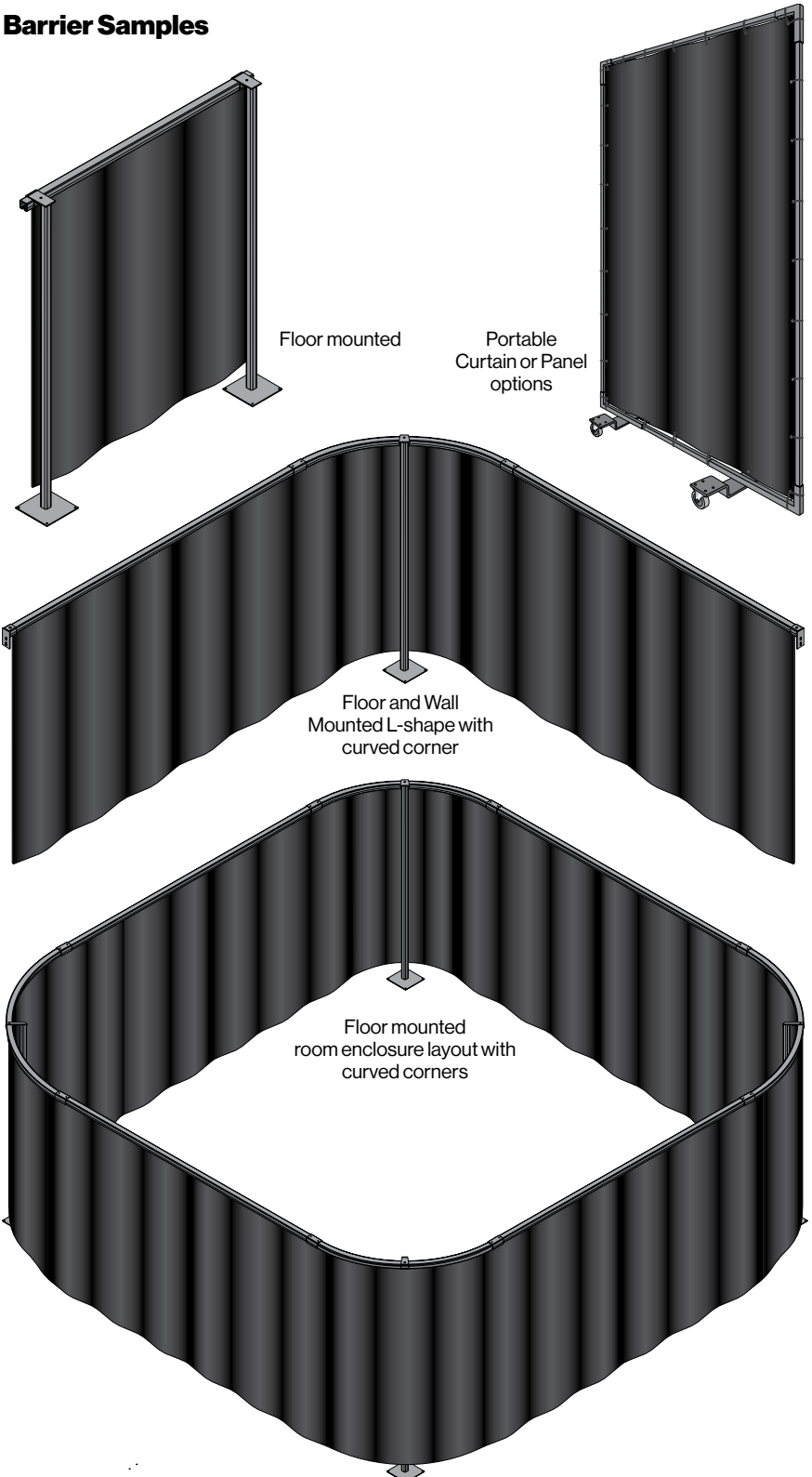
Ceiling Mounted

Floor Mounted

- Steel wheel trolleys
- Curved or straight tracks
- Base plates for floor mounting
- Window covering and valences
- Black powder coating of hardware
- Laser safety windows inserts
- Fasteners (hook & loop or heavy duty 3M dual lock)
- Grommets
- Magnetic options
- Black aluminum hardware
- Sign pockets

Custom Barriers

Barrier Samples



**Our Certified Laser Safety Officers (CLSO) are available to help.
Call us at 1-800-393-5565**

LASER SAFETY

CURTAINS

At Laservision, we manufacture standard and custom laser safety curtains on-site with the fastest lead time in the industry. Custom-made curtains are tailored to your specific requirements. Our mounting options include ceiling, floor and along the wall.



Laser Safety Curtains

Standard Curtains BC0

Great for basic needs and simple designs. You can build a laser curtain system to fit your room by connecting several curtains together with hook & loop fasteners.

- In-stock, ready to ship
- Maximum irradiance:
200 W/cm² for 100 seconds
- Size 58" x 96"
- Window cover options



Window Covers

Options for grommet, hook & loop or magnet installation.

Portable Curtains BC4

This curtain offers mobility with locking casters.

- Heavy-duty steel frame
- Easy to store and move
- Standard and custom sizes



Roller Shades BRS

Easily rolls up to keep your window view when the laser is not in use.

Curtain Examples

According to the standards of laser safety each laser must be enclosed to ensure no dangerous radiation can escape under predictable conditions. Dangerous refers to the accessible amount of radiation below the MPE (Maximum Permissible Exposure) values for eyes and skin.

Wall-to-wall mounted curtain



Curved ceiling mounted curtain for clinic door






Wall-to-wall mounted curtain with optional sign



Curved ceiling mounted curtain



Curtain Specifications

Part #	F5P06	F5P01	F5P02
Images			
Layers	1 Layers	2 Layers	3 Layers*
Maximum Irradiance Level	100 W/cm ² 100 seconds	200 W/cm ² 100 seconds	300 W/cm ² 100 seconds
Description	Fiberglass-based fabric with rubberized silicone coating		
Features	Excellent thermal and flame resistance. Abrasion, puncture and tear resistant. Repels water and oil.		
Available Products			
Standard/Custom Framed Barriers	✓	✓	✓
Roller Shades	✓	✓	
Window Covers	✓	✓	✓
Optical Table and Enclosures	✓	✓	✓

*Includes silica woven inner layer for increased temperature resistance

Options for EN-rated curtains: International Standards
Built to EN 60825-4 and EN12254 specifications

Also available:



Clean room (C)
White outer layer



ESD (E)
Electrostatic discharge protective outer layer

LASER SAFETY

PANELS

Panel systems offer higher protection levels compared to laser safety curtains. Our panel systems provide you with optimum protection in a lightweight structure.



Portable Foldable Panels BMO

- Provides easy movement and storage to maximize your space
- Extremely versatile system constructed with 360° hinges
- Moves and positions easily to fit into your application
- Available: 3, 5, 7 and 9 panel systems, extending to 25' W x 6'10" H



Portable Extendable Panels BM2

- Easy movement and storage to maximize space
- Panels slide easily in and out to fit your application
- Available: 3, 5 and 7 panel systems extending up to 15'6" W x 6'10" H



Panel Specifications

Custom Framed Panels BM3

- Tailored to your laser containment requirements
- Can be designed as portable or mounted system
- Variety of layout alternatives
- Built from black aluminum hardware



Part #	M5P06	
Images		
Layers	3 Layers	
Maximum Irradiance Level	1,000 W/cm ² 100 seconds	
Description	Two layers of aluminum, bonded with corrugated polyallomer core	
Features	Maintenance-free, strong, lightweight, doesn't swell, chip, corrode, flake or peel	
Wavelength	Maximum Irradiance	Duration in Seconds
810 nm	1,500 W/cm ²	100
1064 nm	2,500 W/cm ²	100
10600 nm	10,000 W/cm ²	100
Available Products		
Standard/Custom Framed Barriers	✔	
Extendable and Foldable Barriers	✔	
Optical Table and Enclosures	✔	

Panel Examples

ENCLOSURES

Our custom enclosures are individually designed to accommodate your production lines. Each enclosure is certified to protect your employees from laser radiation.

- Laser protection windows allow for safe viewing
- Doors interlocks provide safe access to the line inside
- Design and installation support included

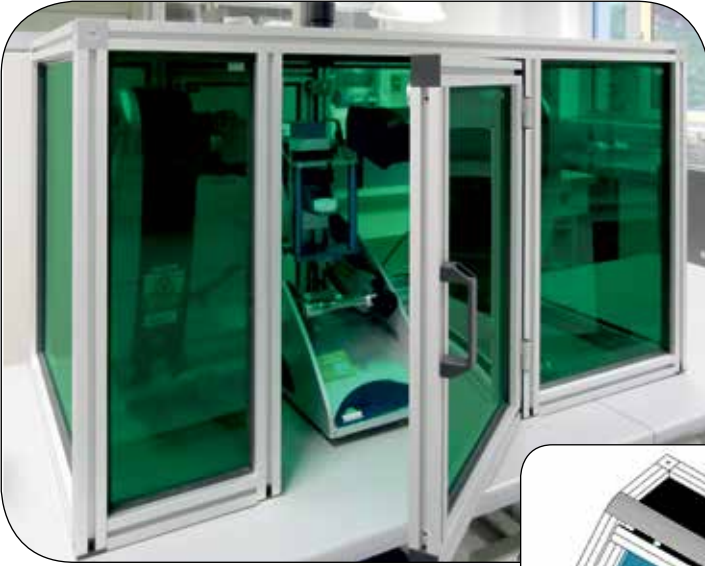


Side view on assembly line

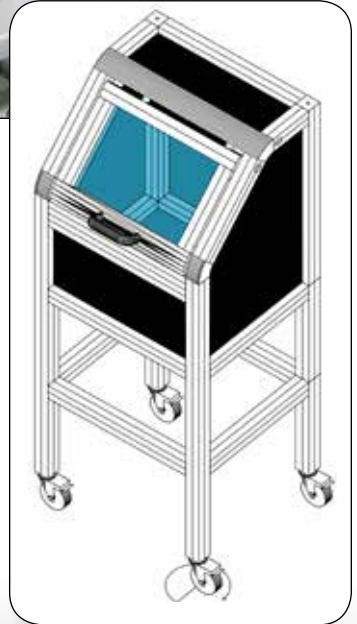


Top View





Window enclosure



Portable enclosure:
panel and
window

Optical Table Panels

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

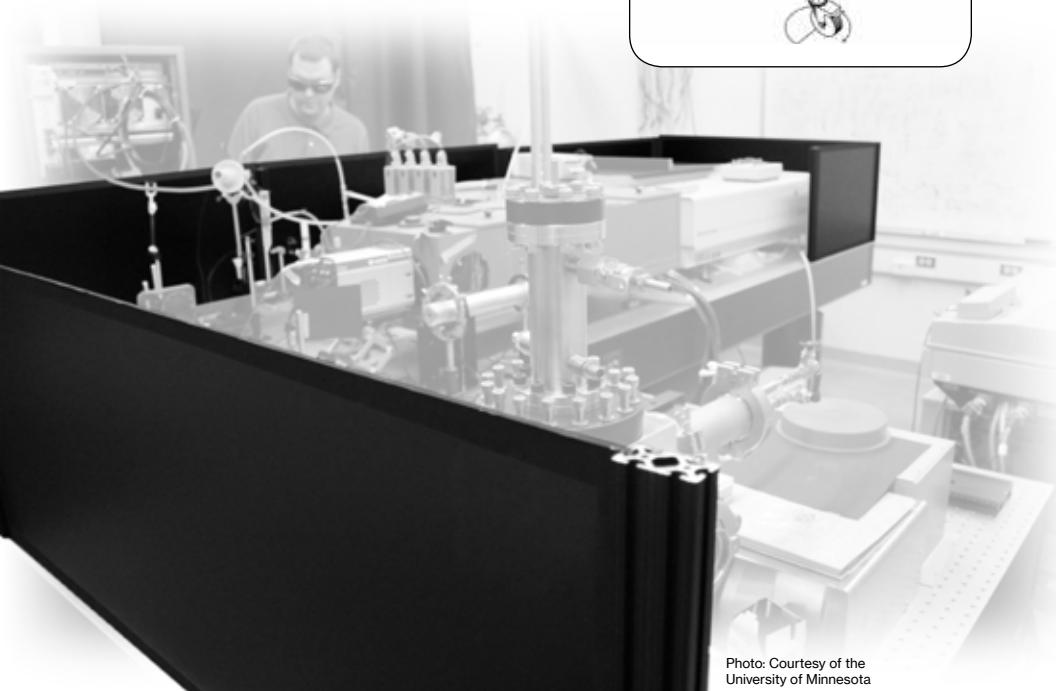


Photo: Courtesy of the
University of Minnesota

LASER SAFETY

CONTROL SYSTEM

Laser Sentry™ Entryway Control System

Door and laser control system that manages entry/exit to the laser environment and controls laser emissions. Proven in countless applications including university, government, labs, hospitals, shops, manufacturing and test areas.

- Time saving installation and maintenance
- Microprocessor-based reliable module
- Convenient wall mount enclosure and front-mounted controls
- Easy access to components for connections and repair
- Includes spare relay for maintenance

Accessories:

- Access keypad
- Exit button
- Two-way illuminated sign
- Emergency stop
- Magnetic lock
- Magnetic switches



LED Laser Warning Signs

Using the latest in LED technology, Mini and Large LED Laser Warning Signs are energy efficient.

18.5" LED Laser Warning Sign

AOE.SignL.5000

Large, low-energy, 3-state LED sign controls exit/entrance to your laser environment, indicating hazardous and non-hazardous conditions.



- 3 laser states: ON "Access Prohibited"
ON "Access Allowed"
and OFF
- Energy efficient - 50,000 operational hours
- Standard size: 18.5 x 7 x 1 inches
- Power supply sold separately
- Custom sizes available

Mini LED Laser Warning Sign

AOE.SignM.5000

Mini LED Laser Warning Sign is an ultra-low-energy 3-state LED sign to control exit/entrance to your laser environment. This sign is very energy efficient as it consumes only 3.6 W of power. With a lifetime in excess of 50,000 operational hours, this sign is effectively maintenance free. The power supply for the sign is sold separately to accommodate your needs.



- Compact LED Laser Warning Sign
- Power consumption of only 3.6 W
- 3 laser states: ON "No Hazard Laser Off"
ON "Danger Laser On"
and OFF
- Energy efficient - 50,000 operational hours
- Standard size: 6.3 x 4.3 x 1.5 inches
- Power supply sold separately
- Custom sizes available

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



00E.P1P01.1003
Frame: 39 in x 28 in
Window: 34 in x 20 in

Active Window

Ultimate Protection

Lasers continue to increase in power and standard laser safety windows are often unable to reach the required protection rating. These windows provide protection from high-power lasers by immediately shutting the laser down if there beam hits the window.

**Call for more information:
800-393-5565**

Windows

P5D05

Color: Clear

Material: Acrylic

VLT: 90%

Optical Density (OD)

OD 6+ @ 10600 nm



P5G02

Color: Light Yellow

Material: Acrylic

VLT: 92%

Optical Density (OD)

OD 5+ @ 190 - 375 nm

OD 6+ @ 10600 nm



Lasers

CO₂ (Carbon dioxide)

Lasers

CO₂ (Carbon dioxide),
Excimer,
Nd:YAG (4H),
UV

Sizes

Part No.	Thickness +/- .02"	Size
000.P5D05.5005	.125"	4"x8"
000.P5D05.5001	.125"	12"x12"
000.P5D05.5002	.125"	12"x24"
000.P5D05.5003	.125"	12"x36"
000.P5D05.5004	.125"	24"x24"
000.P5D05.5000	.125"	24"x36"

Part No.	Thickness +/- .02"	Size
000.P5D05.5255	.25"	4"x8"
000.P5D05.5251	.25"	12"x12"
000.P5D05.5252	.25"	12"x24"
000.P5D05.5253	.25"	12"x36"
000.P5D05.5254	.25"	24"x24"
000.P5D05.5250	.25"	24"x36"

Custom sizes are available.

Sizes

Part No.	Thickness +/- .02"	Size
000.P5G02.5005	.125"	4"x8"
000.P5G02.5001	.125"	12"x12"
000.P5G02.5002	.125"	12"x24"
000.P5G02.5003	.125"	12"x36"
000.P5G02.5004	.125"	24"x24"
000.P5G02.5000	.125"	24"x36"

Part No.	Thickness +/- .02"	Size
000.P5G02.5255	.25"	4"x8"
000.P5G02.5251	.25"	12"x12"
000.P5G02.5252	.25"	12"x24"
000.P5G02.5253	.25"	12"x36"
000.P5G02.5254	.25"	24"x24"
000.P5G02.5250	.25"	24"x36"

Custom sizes are available.

Windows

P5K02

Color: Pink
Material: Acrylic
VLT: 8%



Optical Density (OD)
 OD 4+ @ 760 - 820 nm

Lasers
 Diode

Sizes

Part No.	Thickness +/- .02"	Size
000.P5K02.5005	.125"	4"x8"
000.P5K02.5001	.125"	12"x12"
000.P5K02.5002	.125"	12"x24"
000.P5K02.5003	.125"	12"x36"
000.P5K02.5004	.125"	24"x24"
000.P5K02.5000	.125"	24"x36"

Custom sizes are available.

P5K10

NEW

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

Lasers
 CO₂ (Carbon dioxide),
 Diode,
 Disc,
 Fiber,
 IR,
 Nd:YAG,

Sizes

Part No.	Thickness +/- .02"	Size
000.P5K10.5005	.125"	4"x8"
000.P5K10.5001	.125"	12"x12"
000.P5K10.5002	.125"	12"x24"
000.P5K10.5003	.125"	12"x36"
000.P5K10.5004	.125"	24"x24"
000.P5K10.5000	.125"	24"x36"
000.P5K10.5012	.125"	36"x48"

Part No.	Thickness +/- .02"	Size
000.P5K10.5255	.25"	4"x8"
000.P5K10.5251	.25"	12"x12"
000.P5K10.5252	.25"	12"x24"
000.P5K10.5253	.25"	12"x36"
000.P5K10.5254	.25"	24"x24"
000.P5K10.5250	.25"	24"x36"
000.P5K10.5212	.25"	36"x48"

Custom sizes are available.

P5N01

Color: Orange
Material: Acrylic
VLT: 35%



Optical Density (OD)

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

Lasers

Argon,
 CO₂ (Carbon dioxide),
 Excimer,
 Nd:YAG (KTP, 2H),
 Nd:YAG (3H),
 Nd:YAG (4H)
 UV,
 Green (532 nm)

Sizes

Part No.	Thickness +/- .02"	Size
000.P5N01.5005	.125"	4"x8"
000.P5N01.5001	.125"	12"x12"
000.P5N01.5002	.125"	12"x24"
000.P5N01.5003	.125"	12"x36"
000.P5N01.5004	.125"	24"x24"
000.P5N01.5000	.125"	24"x36"
000.P5N01.5012	.125"	36"x48"

Part No.	Thickness +/- .02"	Size
000.P5N01.5255	.25"	4"x8"
000.P5N01.5251	.25"	12"x12"
000.P5N01.5252	.25"	12"x24"
000.P5N01.5253	.25"	12"x36"
000.P5N01.5254	.25"	24"x24"
000.P5N01.5250	.25"	24"x36"

Custom sizes are 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

Lasers

Diode,
 Disc,
 Er:YAG (Erbium YAG),
 Fiber,
 IR,
 Nd:YAG

Sizes

Part No.	Thickness +/- .02"	Size
000.P5P01.5005	.125"	4"x8"
000.P5P01.5001	.125"	12"x12"
000.P5P01.5002	.125"	12"x24"
000.P5P01.5003	.125"	12"x36"
000.P5P01.5004	.125"	24"x24"
000.P5P01.5000	.125"	24"x36"
000.P5P01.5012	.125"	36"x48"

Part No.	Thickness +/- .02"	Size
000.P5P01.5255	.25"	4"x8"
000.P5P01.5251	.25"	12"x12"
000.P5P01.5252	.25"	12"x24"
000.P5P01.5253	.25"	12"x36"
000.P5P01.5254	.25"	24"x24"
000.P5P01.5250	.25"	24"x36"
000.P5P01.5212	.25"	36"x48"

Custom sizes are available.

Available in CE.

Windows

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

Lasers

Alexandrite,
 Excimer,
 Nd:YAG (4h),
 Ruby,
 Red,
 UV,

Sizes

Part No.	Thickness +/- .02"	Size
000.P5P04.5005	.125"	4"x8"
000.P5P04.5001	.125"	12"x12"
000.P5P04.5002	.125"	12"x24"
000.P5P04.5003	.125"	12"x36"
000.P5P04.5004	.125"	24"x24"
000.P5P04.5000	.125"	24"x36"

Custom sizes are 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

Lasers

CO₂ (Carbon dioxide),
 Diode,
 Disc,
 Fiber,
 IR,
 Nd:YAG,

Sizes

Part No.	Thickness +/- .02"	Size
000.P5P05.5005	.125"	4"x8"
000.P5P05.5001	.125"	12"x12"
000.P5P05.5002	.125"	12"x24"
000.P5P05.5003	.125"	12"x36"
000.P5P05.5004	.125"	24"x24"
000.P5P05.5000	.125"	24"x36"
000.P5P05.5012	.125"	36"x48"

Part No.	Thickness +/- .02"	Size
000.P5P05.5255	.25"	4"x8"
000.P5P05.5251	.25"	12"x12"
000.P5P05.5252	.25"	12"x24"
000.P5P05.5253	.25"	12"x36"
000.P5P05.5254	.25"	24"x24"
000.P5P05.5250	.25"	24"x36"

Custom sizes are 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

Lasers

Argon,
 CO₂ (Carbon dioxide),
 Diode,
 Excimer,
 ND:Yag,
 Nd:YAG (KTP, 2H),
 Nd:YAG(3H),
 Nd:YAG (4H)

Sizes

Part No.	Thickness +/- .02"	Size
000.P5P06.5005	.125"	4"x8"
000.P5P06.5001	.125"	12"x12"
000.P5P06.5002	.125"	12"x24"
000.P5P06.5003	.125"	12"x36"
000.P5P06.5004	.125"	24"x24"
000.P5P06.5000	.125"	24"x36"

Custom sizes are 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

Lasers

CO₂ (Carbon dioxide),
 Diode,
 Excimer,
 He Ne,
 ND:Yag,
 Nd:YAG (4H)

Sizes

Part No.	Thickness +/- .02"	Size
000.P5P07.5005	.125"	4"x8"
000.P5P07.5001	.125"	12"x12"
000.P5P07.5002	.125"	12"x24"
000.P5P07.5003	.125"	12"x36"
000.P5P07.5004	.125"	24"x24"
000.P5P07.5000	.125"	24"x36"

Custom sizes are available.

Windows

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

Lasers

CO₂ (Carbon dioxide),
 Diode,
 Disc,
 Fiber,
 IR,
 Nd:YAG,
 UV

Sizes

Part No.	Thickness +/- .02"	Size
000.P5P10.5005	.125"	4"x8"
000.P5P10.5001	.125"	12"x12"
000.P5P10.5002	.125"	12"x24"
000.P5P10.5003	.125"	12"x36"
000.P5P10.5004	.125"	24"x24"
000.P5P10.5000	.125"	24"x36"
000.P5P10.5012	.125"	36"x48"

Part No.	Thickness +/- .02"	Size
000.P5P10.5255	.25"	4"x8"
000.P5P10.5251	.25"	12"x12"
000.P5P10.5252	.25"	12"x24"
000.P5P10.5253	.25"	12"x36"
000.P5P10.5254	.25"	24"x24"
000.P5P10.5250	.25"	24"x36"
000.P5P10.5212	.25"	36"x48"

Custom sizes are available.
 Maximum size 59" x78"

Available 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+ @ >3600 – 4800 nm
 OD 4+ @ >4800 – 11500 nm

Lasers

CO₂ (Carbon dioxide),
 Diode,
 Disc,
 Fiber,
 IR,
 Nd:YAG,
 UV

Sizes

Part No.	Thickness +/- .02"	Size
000.P5P12.5005	.125"	4"x8"
000.P5P12.5001	.125"	12"x12"
000.P5P12.5002	.125"	12"x24"
000.P5P12.5003	.125"	12"x36"
000.P5P12.5004	.125"	24"x24"
000.P5P12.5000	.125"	24"x36"
000.P5P12.5012	.125"	36"x48"

Part No.	Thickness +/- .02"	Size
000.P5P12.5255	.25"	4"x8"
000.P5P12.5251	.25"	12"x12"
000.P5P12.5252	.25"	12"x24"
000.P5P12.5253	.25"	12"x36"
000.P5P12.5254	.25"	24"x24"
000.P5P12.5250	.25"	24"x36"
000.P5P12.5212	.25"	36"x48"

Custom sizes are available.
 Maximum size 59" x78"

Available in CE.

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 (Carbon dioxide),
- Diode,
- Disc,
- Dye,
- Er:YAG (Erbium YAG),
- Ho:YAG (Holmium YAG),
- IR,
- Nd:YAG

Sizes

Part No.	Thickness +/- .02"	Size
000.T5K02.5000	4.2mm	165x165mm

Also available in 100x200mm and 210x297mm



LASER SAFETY

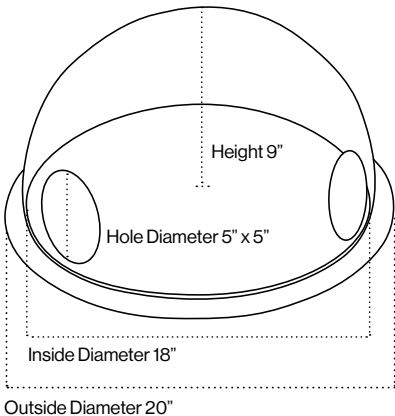
DOMES

Laservision has developed Laser Safety Domes for use in demonstrating laser applications in public areas or at trade shows. These glueless manufactured domes are made of acrylic laser safety filter material and offer excellent visibility without any protruding edges or connectors. The dome has two access points for easy handling of laser beam delivery systems. Laser Safety Domes are ideal to showcase your laser innovations and capabilities, while keeping the safety of your demonstrator and clients in mind.



Custom domes are available. Contact us with your requirements.

Dome Specifications



Domes

P5D05

Color: Clear

Material: Acrylic

VLT: 90%

Optical Density (OD)

OD 5+ @ 10600 nm

OD 3+ @ 2750 - 2848 nm

OD 2+ @ 2840 - 2920 nm

OD 1+ @ 2920 - 3000 nm

Lasers

CO₂

Er:YAG

HF Chemical

Xe-He

Dome
000.P5D05.5DME



P5K02

Color: Pink

Material: Acrylic

VLT: 8%

Optical Density (OD)

OD 4+ @ 760 - 820 nm

Lasers

Alexandrite

Diode

Dye Lasers

Dome
000.P5K02.5DME



P5P01

Color: Light Green

Material: Acrylic

VLT: 65%

Optical Density (OD)

OD 3+ @ 900 - 950 nm

OD 4+ @ 950 - 975 nm

OD 5+ @ 975 - 1020 nm

OD 4+ @ 1020 - 1030 nm

OD 3+ @ 1030 - 1060 nm

Lasers

InGaAs

Nd:Glass

Yb:YAG

Dome
000.P5P01.5DME



LASER SAFETY

FACE SHIELDS

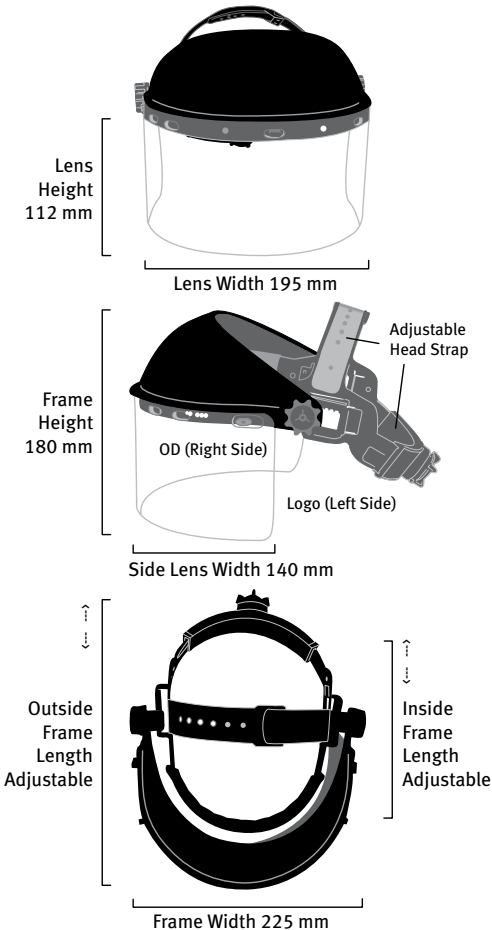
Laservision face shields are lightweight for maximum comfort. They are made of tough, durable, heat and cold-resistant optical quality acrylic. The large contoured shield provides maximum eye and face protection. Adjustable head piece provides versatility and comfort for all laser applications. Face Shields accommodate fit-over prescription eyewear.



Available in different filter options and lens height.

Face Shield Specifications

Color: Black



Face Shield Filters

P5D05 *Page 19*



P5G02 *Page 19*



P5K02 *Page 20*



P5N01 *Page 20*



P5P01 *Page 21*



P5P04 *Page 21*



P5P05 *Page 22*



P5P06 *Page 22*



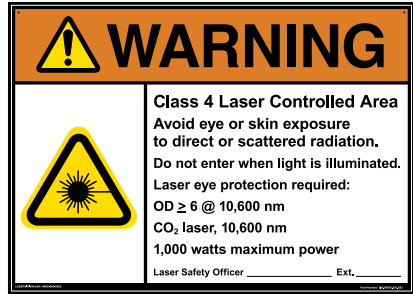
P5P07 *Page 23*



LASER SAFETY

SIGNS & 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 to fit any application you may require.



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

Sign Classifications



- **Caution:**
Class 2, Class 2M and Class 3R lasers



- **Warning:**
Class 3B and Class 4 lasers








- **Danger:**
Class 4 lasers



- **Notice:** All Laser Types
For temporary use when laser systems are under repair and the accessible laser radiation exceeds acceptable MPE

Laser Class

- Class 1:** Incapable of producing damaging radiation levels and exempt from any control measures.
- Class 1M:** Incapable of producing damaging radiation levels unless the beam is viewed with optically aids (telescope/loupe) and exempt from any control measures other than optical viewing.
- Class 2:** Emits in the visible portion of the spectrum (400 nm to 700 nm) where eye protection is normally afforded by the aversion. 
- Class 2M:** Emits in the visible portion of the spectrum (400 nm to 700 nm) where eye protection is normally afforded by the aversion for unaided viewing. 
- Class 3R:** Reduced control requirements and is hazardous under some direct and specular reflection conditions if the eye is appropriately focused and stable, but the probability of an injury is small. This laser will not pose a fire or diffused reflection hazard. 
- Class 3B:** Hazardous under direct and specular reflection viewing conditions, but normally not a fire or diffuse reflection hazard, nor a laser generated air containment production hazard. 
- Class 4:** High powered and hazardous to the eye or skin from the direct beam (may cause devastating and permanent eye or skin damage). May have sufficient energy to ignite materials to pose a fire or diffuse reflection hazard. May also produce plasma radiation and generate hazardous fumes. 

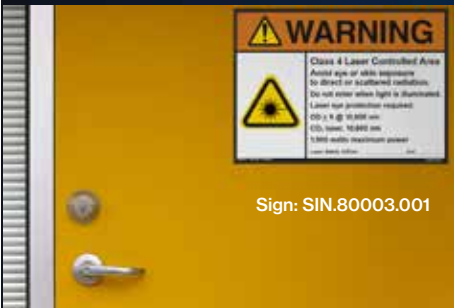


Laser Warning Symbol

This symbol indicates that a potential hazard to personal safety exists from a laser source and to proceed with all necessary precautions.

Signs and Labels

Back Lighted Sign:
SIN.80001.001



Signs & Labels

Item Options	Class 3R	Class 3B	Class 4	Notice
Lighted Sign (12"x16"x2")	SIN.80001.000	SIN.80001.002	SIN.80001.001	SIN.80001.004
Plastic (10"x14"x1/8")	SIN.80002.000	SIN.80002.002	SIN.80002.001	SIN.80002.004
Magnetic (10"x14"x1/8")	SIN.80003.000	SIN.80003.002	SIN.80003.001	SIN.80003.004
Label (10"x14")	SIN.80004.000	SIN.80004.002	SIN.80004.001	SIN.80004.004
3 Labels (5"x3")	SIN.80005.000	SIN.80005.002	SIN.80005.001	SIN.80005.004
3 Labels (3"x2")	SIN.80006.000	SIN.80006.002	SIN.80006.001	SIN.80006.004
3 Labels (2"x1.5")	SIN.80007.000	SIN.80007.002	SIN.80007.001	SIN.80007.004

Laser safety signs meet the ANSI 535 standards. Signs meeting ANSI 136 are available upon request.

Laser Warning Symbol Labels

Item Options	Warning Symbol
3 Labels (4"x4")	SIN.80008.000
3 Labels (3"x3")	SIN.80009.001
3 Labels (2"x2")	SIN.80010.002



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

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E info@lasersafety.com
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ISO Certified

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WE PROTECT YOUR EYES

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