

# LASER SAFETY WINDOWS

CATEGORY INFORMATION

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**PHILLIPS SAFETY**  
PRODUCTS INC.



Phillips Safety is the industry leader in occupational safety eyewear. In business for over 100 years, you are being served with the dedication and craftsmanship of a family owned company.

Phillips Safety has been producing occupational safety glasses since 1905 and continues to develop and produce the highest quality glasses and lenses today. A leading manufacturer of specialty safety eyewear in the United States, Phillips Safety adheres to strict ANSI Z87-2+ and EN 207 CE standard certifications, holding itself to a highest standard and prides itself on producing glasses with the finest quality materials available.

All safety glasses produced and sold by Phillips Safety meet strict industry standards for military, medical, research laboratories, and a variety of other industries.

With Phillips Safety's dedicated team, you can rest assured knowing that all your prescription safety needs are met.

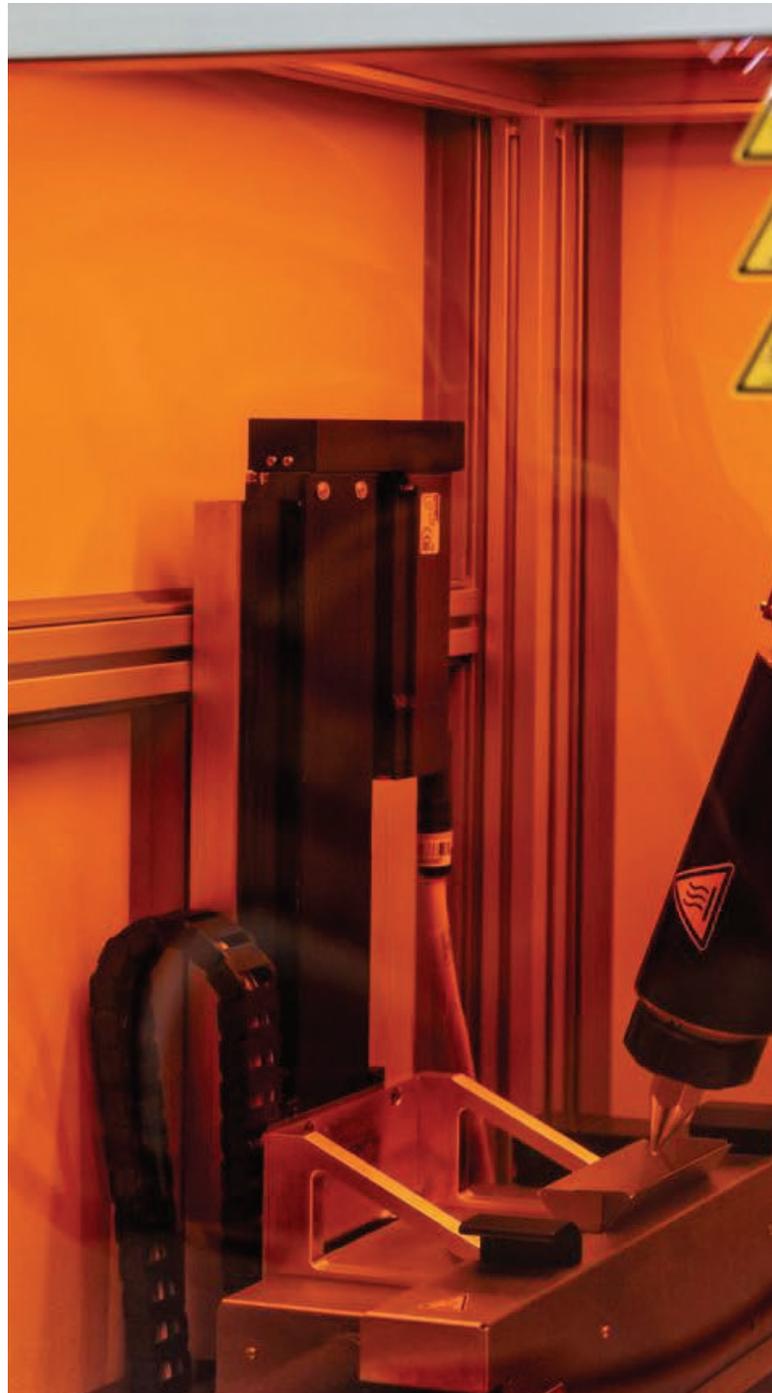
## CATEGORY INFORMATION

### LASER SAFETY WINDOWS

Laser safety windows are specialized barriers designed to protect against the hazards of laser radiation. These windows are constructed using carefully selected materials for their ability to absorb or reflect specific laser wavelengths. By installing laser safety windows, workplaces and facilities can create controlled laser environments, where laser beams are confined and the risk of laser-related injuries or accidents is significantly reduced.

At Phillips Safety we offer a diverse selection of premium laser safety windows to meet the needs of our customers. Our comprehensive collection comprises laser window films, glass laser windows, and acrylic laser windows, each of them with options for a variety of laser filters and applications.

Starting with our laser window films, they meet the industry's safety standards of ANSI Z136.1 and CE EN207, guaranteeing their exceptional quality.



**CATEGORY INFORMATION**  
**LASER SAFETY WINDOWS**



Moving on to our glass laser windows, glass is an ideal material for laser windows as it offers excellent visible light transmission (VLT) and optical density protection. It is especially suitable for applications requiring high visual quality in small areas.

Our acrylic laser windows are known for their strength, durability, and resilience, as they can withstand impacts up to ten times greater than glass. They also exhibit superior weather resistance and a wide temperature range. Phillips Safety's acrylic laser windows meet ANSI Z136 standards for laser use, ensuring their exceptional quality.

Laser safety windows ensure the safe operation of laser systems by preventing the transmission of harmful laser radiation while allowing visible light to pass through. They are essential for industries such as research, manufacturing, healthcare, and defense, where lasers are extensively used, providing a crucial layer of protection for personnel and equipment.

**CATEGORY INFORMATION**  
LASER SAFETY WINDOWS



**PHILLIPS SAFETY  
ACRYLIC WINDOW**

# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** 690 IR LASER PROTECTIVE ACRYLIC SHEET, GREEN

**PART NUMBER** ALS-690

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 6+ @180 – 420 nm  
OD 3+ @670 – 680 nm  
OD 4+ @680 – 1080 nm  
OD 6+ @694 – 1065 nm  
OD 3+ @2750 – 3000 nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

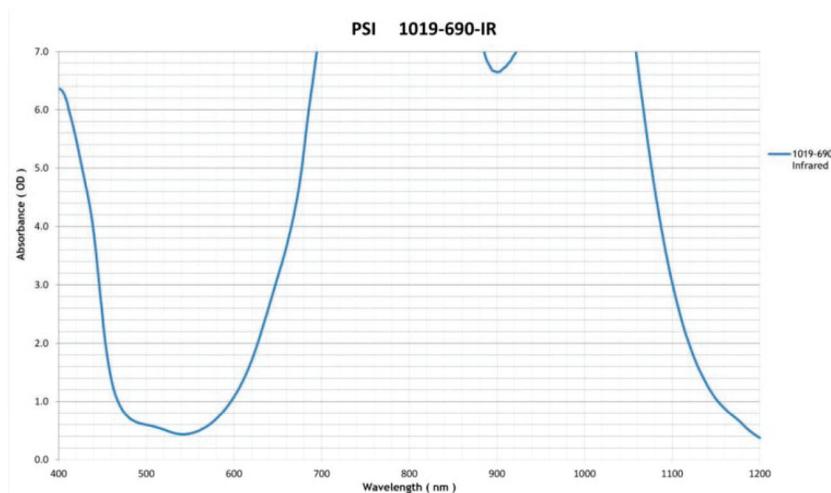
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 22%

**THICKNESS** 0.150"

**COLOR** GREEN

## WAVELENGTH CHART



This is to certify that our product listed above meets all Safety Requirements and is manufactured to the tolerances required by law. This filter has been tested and conforms to ANSI Z136.1 standards for Laser protection. They are manufactured by Phillips Safety Products, Inc. in the City of Middlesex, County of Middlesex, and State of New Jersey in the United States of America. All components and final assemblies are included and originate from our location at 123 Lincoln Boulevard, Middlesex, NJ 08846.

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Ryan Phillips | Vice President | Phillips Safety Products, Inc.

# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** 830 LASER PROTECTIVE ACRYLIC SHEET, DARK GREEN

**PART NUMBER** ALS-DYAG

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-399nm  
OD 2+ @400-480nm  
OD 2+ @750-1900nm  
OD 3+ @800-1800nm  
OD 5+ @830-1700nm  
OD 6+ @1064nm  
OD 5+ @10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

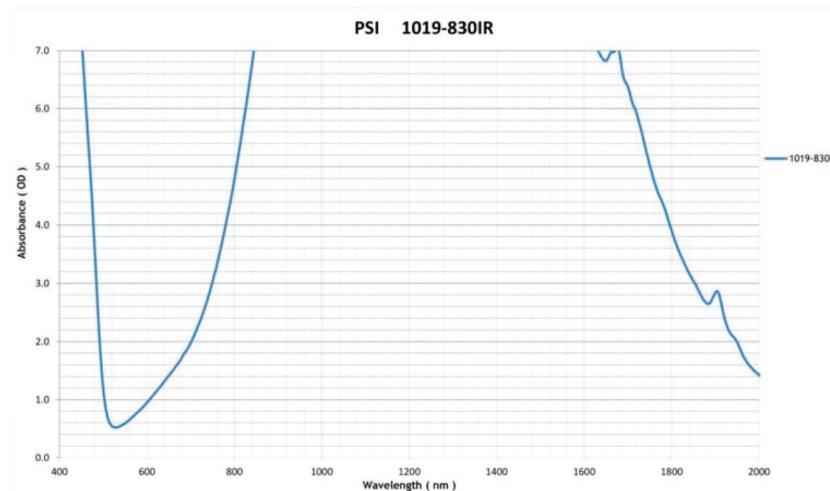
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 25%

**THICKNESS** 0.150"

**COLOR** DARK GREEN

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** ALEXANDRITE, DIODE, YAG LASER PROTECTIVE ACRYLIC SHEET, LIGHT GREEN

**PART NUMBER** ALS-ADY

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-375nm  
OD 5+ @760-1070nm  
OD 6+ @1064nm  
OD 5+ @10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

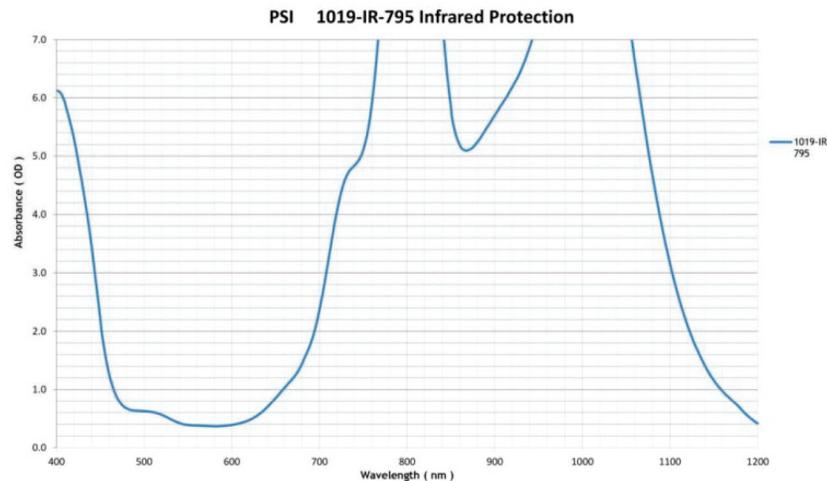
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 42%

**THICKNESS** 0.150"

**COLOR** LIGHT GREEN

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** ALS 1100 LASER PROTECTIVE ACRYLIC SHEET, GREEN

**PART NUMBER** ALS-1100

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ 1000nm - 1130nm  
OD 6+ 1060nm - 1100nm  
OD 5+ 10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

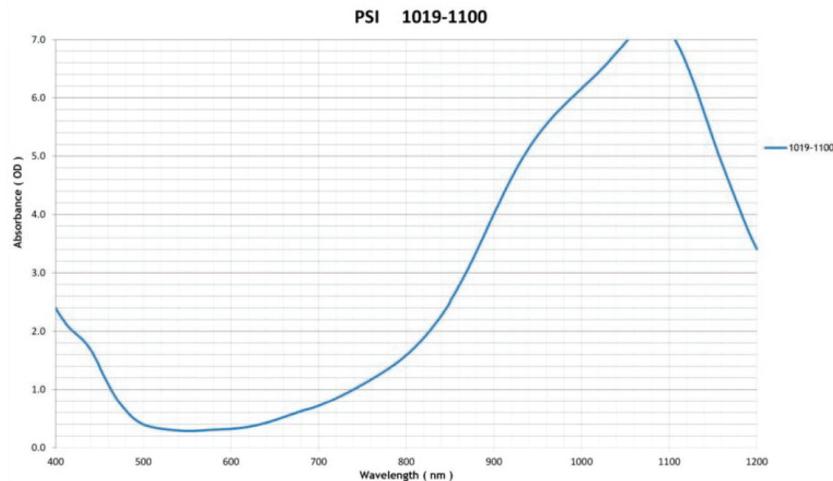
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 46%

**THICKNESS** 0.125", 0.250"

**COLOR** GREEN

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** ALS 2000 MID-IR LASER PROTECTIVE ACRYLIC SHEET, LIGHT BLUE

**PART NUMBER** ALS-2000

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 4+ @1900 to 2700 nm  
OD 5+ @10,600 nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

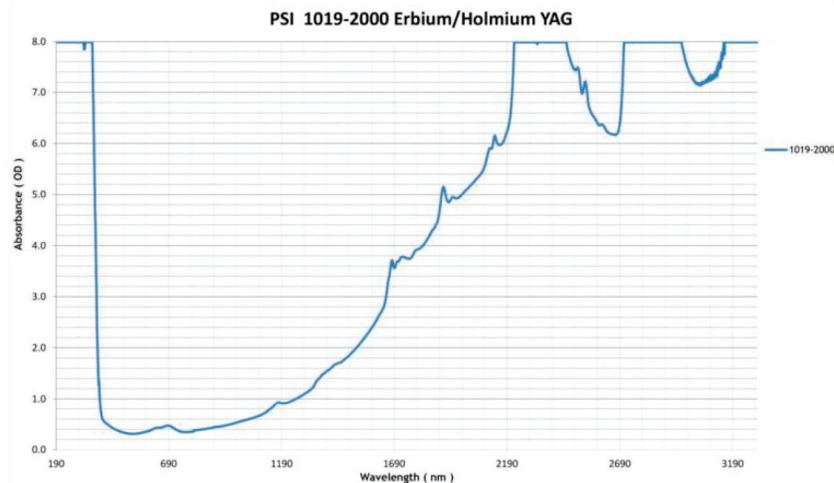
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 55%

**THICKNESS** 0.125"

**COLOR** LIGHT BLUE

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** ALS-YAG NEAR IR LASER PROTECTIVE ACRYLIC SHEET, PALE GREEN

**PART NUMBER** ALS-YAG

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-375nm  
OD 5+ @900-1070nm  
OD 6+ @1064nm  
OD 5+ @10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

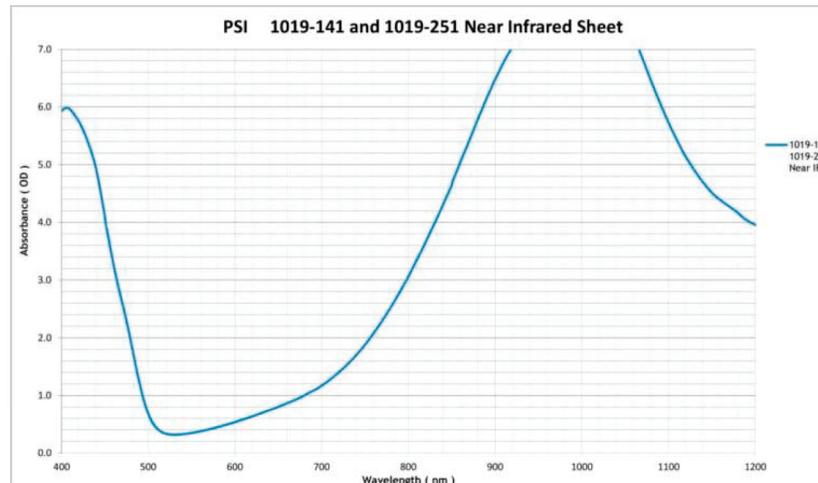
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 40%

**THICKNESS** 0.140", 0.250"

**COLOR** PALE GREEN

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** ARGON, DIODE, ND-YAG, CO2 LASER PROTECTIVE ACRYLIC SHEET, AMBER

**PART NUMBER** ALS-YHAD

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-375nm  
OD 4+ @376-533nm  
OD 5+ @1064nm  
OD 4+ @900-1070nm  
OD 5+ @10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

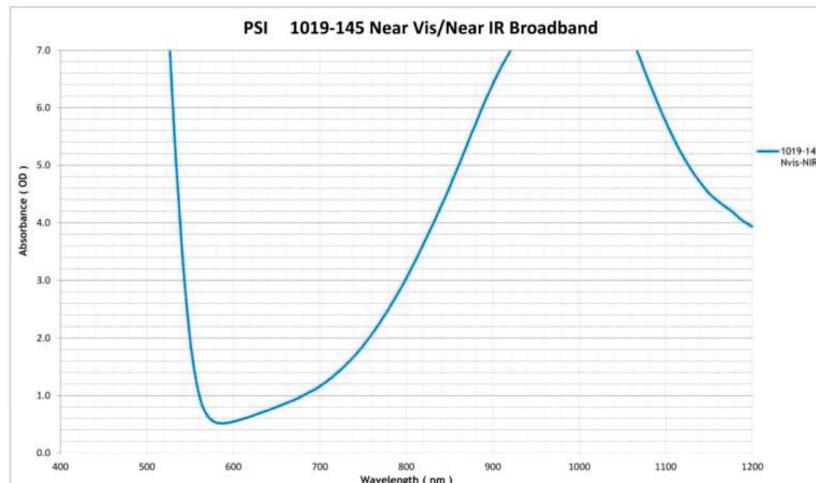
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 16.5%

**THICKNESS** 0.140"

**COLOR** RED

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** BLUE IR LASER SAFETY WINDOW

**PART NUMBER** ALS-BLUEIR

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ from 190-375nm  
OD 5+ from 860-3300nm  
OD 6+ from 900-2500nm  
OD 6+ from 2700-3300nm  
OD 7+ from 1060-2500nm  
OD 7+ from 2720-3300nm  
OD 5+ @ 10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

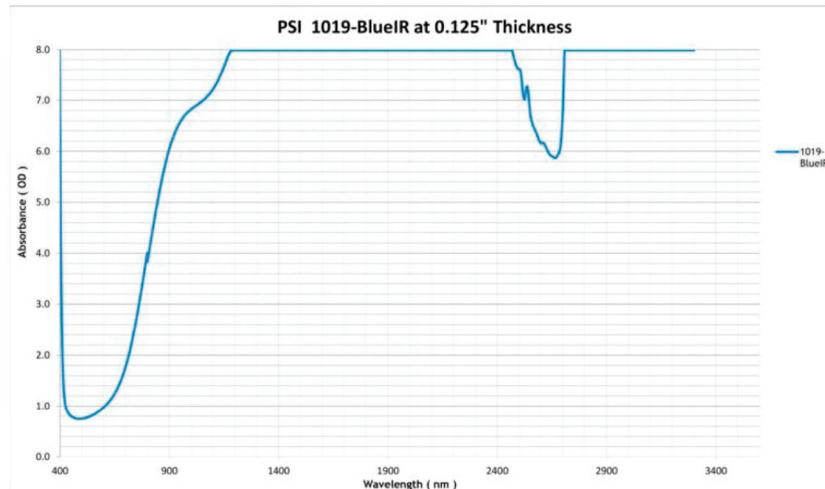
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 22%

**THICKNESS** 0.125"

**COLOR** BLUE

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** DYE LASER PROTECTIVE ACRYLIC SHEET, VIOLET

**PART NUMBER** ALS-DYE

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 3+ @575-590nm  
OD 5+ @578-588nm  
OD 6+ @580-585nm  
OD 5+ @10600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

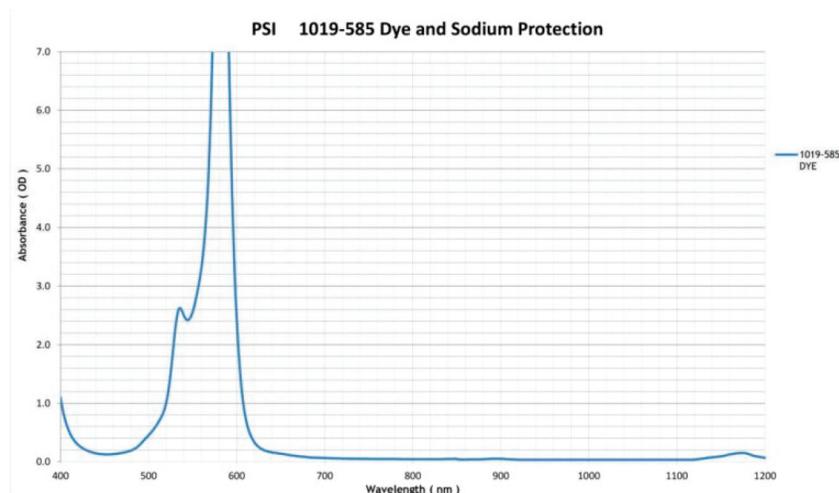
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 26%

**THICKNESS** 0.150"

**COLOR** VIOLET

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## LENS FILTER SPECIFICATIONS



**PROTECTION OPTION: FIBER LASER WELDING ACRYLIC SHADE 3**

**PART NUMBER: ALS-1070-S3-0.125**

## LENS SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @870-1200nm  
OD 6+ @1000-1120nm  
OD 7+ @1020-1100nm

Maximum Irradiance: 300W/cm<sup>2</sup>

**LENS TYPE: LASER PROTECTIVE SHEETING**

**MATERIAL: ACRYLIC**

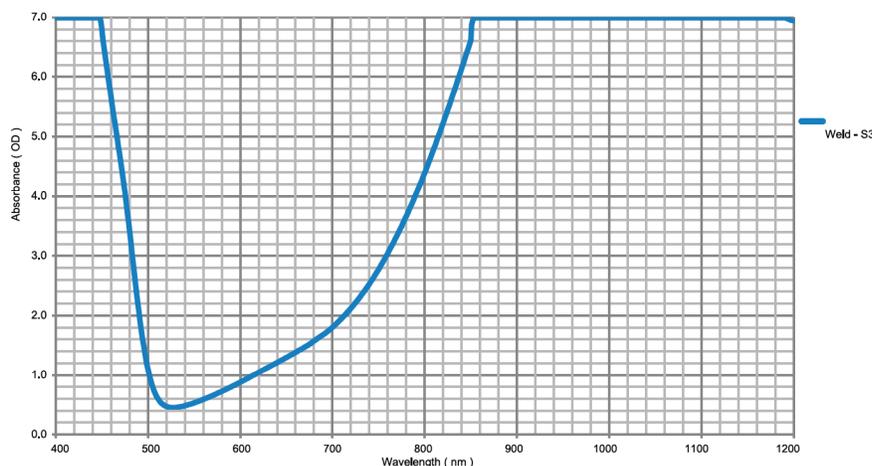
**SAFETY RATING: ANSI Z136.1**

**VISIBLE LIGHT TRANSMISSION: 18%**

**COLOR: GREEN**

**THICKNESS: 0.125"**

## WAVELENGTH CHART



This is to certify that our product listed above meets all Safety Requirements as specified by ANSI Z87.1 and is manufactured to the tolerances required by law. This filter has been tested and conforms to ANSI Z136.1 standards for Laser protection. They are manufactured by Phillips Sadert Products, Inc. in the City of Middlesex, County of Middlesex, and State of New Jersey in the United States of America. All components and final assemblies are included and originate from our location at 123 Lincoln Boulevard, Middlesex, NJ 08846.

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# LASER WINDOWS & SHEETING

## LENS FILTER SPECIFICATIONS



**PROTECTION OPTION: FIBER LASER WELDING ACRYLIC SHADE 5**

**PART NUMBER: ALS-1070-S5-0.125**

## LENS SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @870-2700nm  
OD 6+ @900-2600nm  
OD 7+ @1000-2500nm  
OD8+ @1150-2450nm

Maximum Irradiance: 300W/cm<sup>2</sup>

**LENS TYPE: LASER PROTECTIVE SHEETING**

**MATERIAL: ACRYLIC**

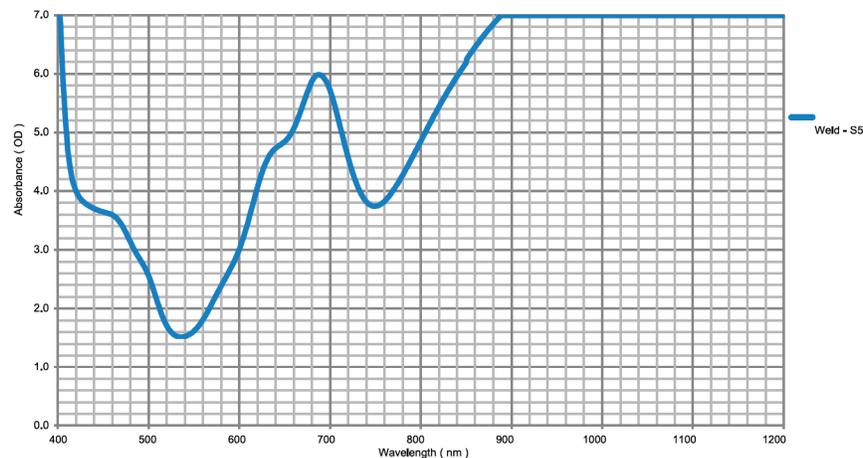
**SAFETY RATING: ANSI Z136.1**

**VISIBLE LIGHT TRANSMISSION: 2%**

**COLOR: GREEN**

**THICKNESS: 0.125"**

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** HENE LASER PROTECTIVE ACRYLIC SHEET, BLUE

**PART NUMBER** ALS-HN

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-375 nm  
OD 2+ @575-720 nm  
OD 3+ @590-710 nm  
OD 4+ @600-700 nm  
OD 5+ @610-694 nm  
OD 6+ @647-694 nm  
OD 5+ @10,600 nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

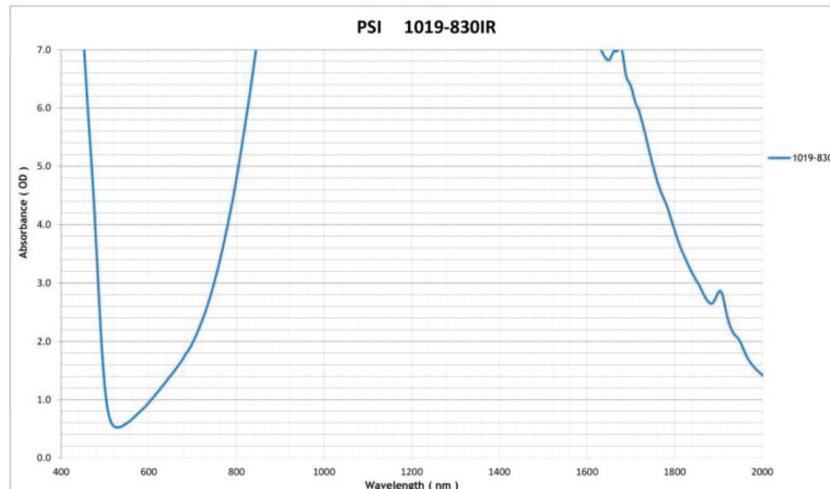
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 18%

**THICKNESS** 0.150"

**COLOR** BLUE

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** HT-YAG LASER PROTECTIVE ACRYLIC SHEET, PALE GREEN

**PART NUMBER** ALS-HTYAG

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-400nm  
OD 3+ @800-1080nm  
OD 5+ @860-1064nm  
OD 6+ @1064nm  
OD 5+ @10600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

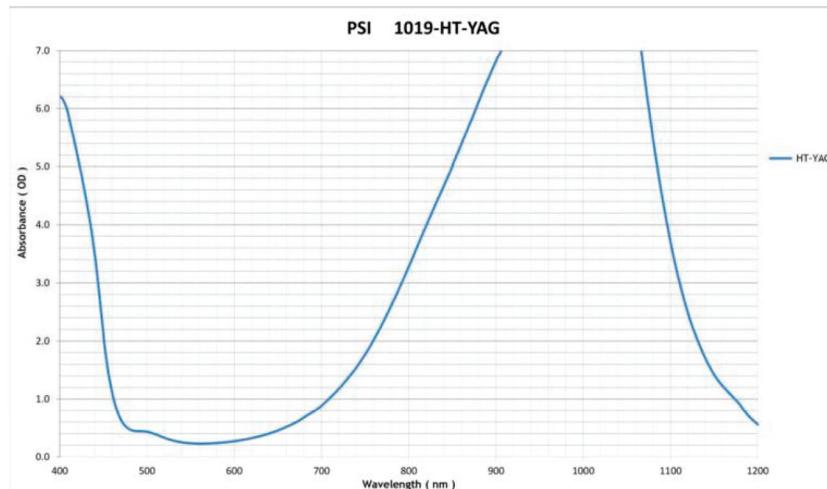
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 65%

**THICKNESS** 0.125", 0.250"

**COLOR** PALE GREEN

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** IR DIODE LASER PROTECTIVE ACRYLIC SHEET, ROSE

**PART NUMBER** ALS-AD

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 3 @720-870nm  
OD 5 @730-855nm  
OD 7 @750-840nm  
OD 5+ @10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

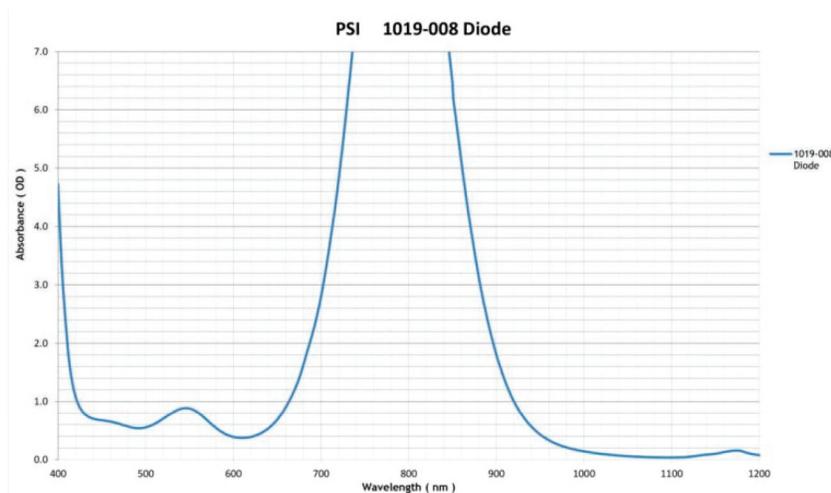
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 25%

**THICKNESS** 0.150"

**COLOR** ROSE

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** NEAR VIS LASER PROTECTIVE ACRYLIC SHEET, ORANGE

**PART NUMBER** ALS-AKP

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-532nm  
OD 5+ @10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

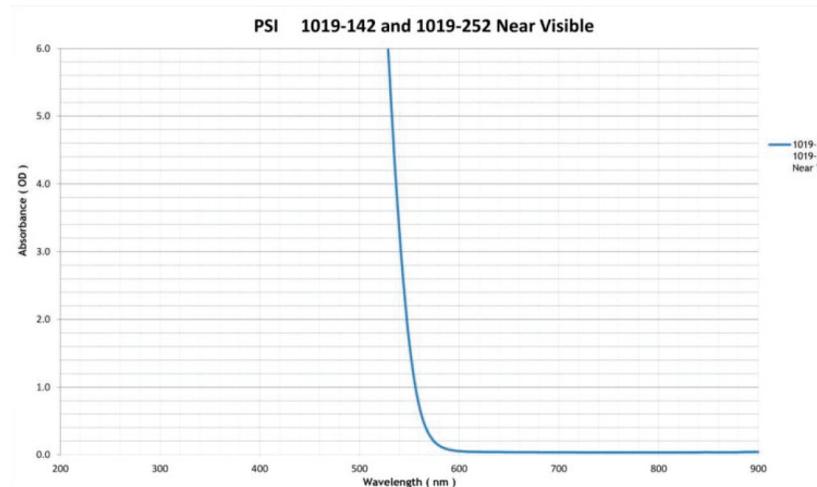
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 41%

**THICKNESS** 0.140", 0.250"

**COLOR** ORANGE

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** RUBY LASER PROTECTIVE ACRYLIC SHEET, LIGHT BLUE

**PART NUMBER** ALS-RBY

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-375nm  
OD 2+ @630-730nm  
OD 3+ @650-720nm  
OD 5+ @670-710nm  
OD 6+ @694nm  
OD 5+ @10600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

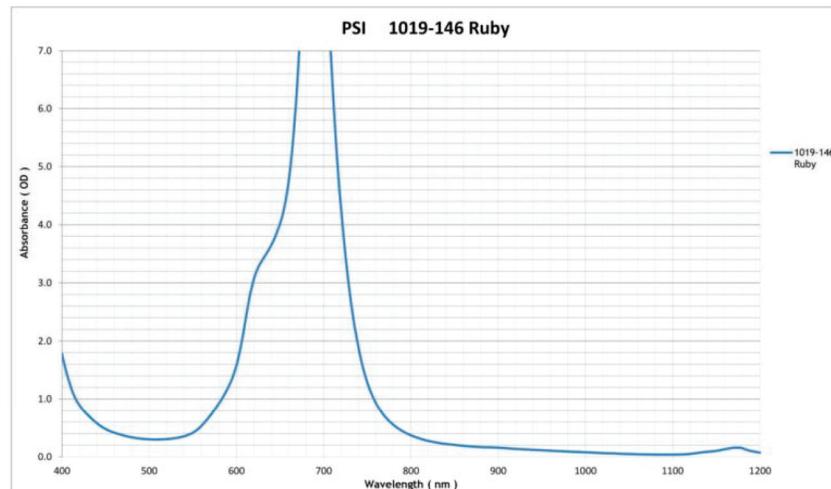
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 45%

**THICKNESS** 0.140"

**COLOR** LIGHT BLUE

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** UV/EXCIMER LASER PROTECTIVE ACRYLIC SHEET, CLEAR

**PART NUMBER** ALS-CD2

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5 @190-375nm  
OD 5+ @10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

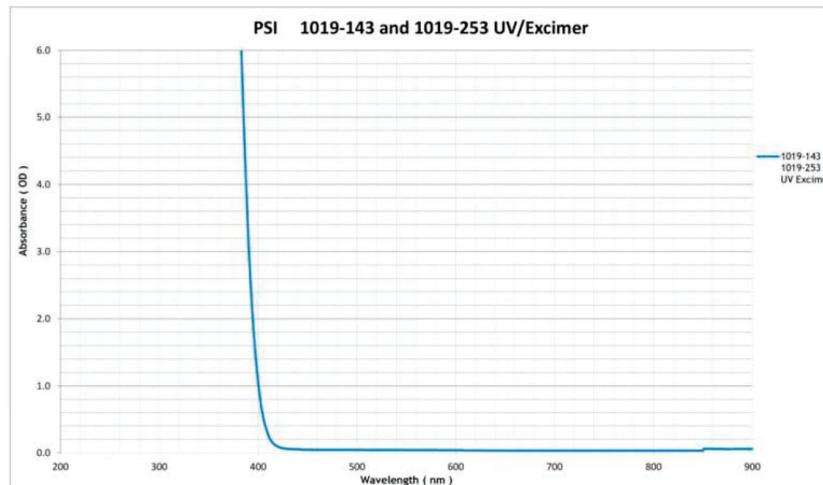
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 90%

**THICKNESS** 0.140", 0.250"

**COLOR** CLEAR

## WAVELENGTH CHART



This is to certify that our product listed above meets all Safety Requirements and is manufactured to the tolerances required by law. This filter has been tested and conforms to ANSI Z136.1 standards for Laser protection. They are manufactured by Phillips Safety Products, Inc. in the City of Middlesex, County of Middlesex, and State of New Jersey in the United States of America. All components and final assemblies are included and originate from our location at 123 Lincoln Boulevard, Middlesex, NJ 08846.

Any questions from interested parties can be directed to the undersigned below.

Ryan Phillips | Vice President | Phillips Safety Products, Inc.

# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** UV/EXCIMER LASER PROTECTIVE ACRYLIC SHEET, YELLOW

**PART NUMBER** ALS-CD2-Y

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 6+ from 190-380nm  
OD5+ from 381-450nm  
OD 5+ @ 10,600nm

**PRODUCT TYPE** LASER PROTECTIVE SHEETING

**MATERIAL** ACRYLIC

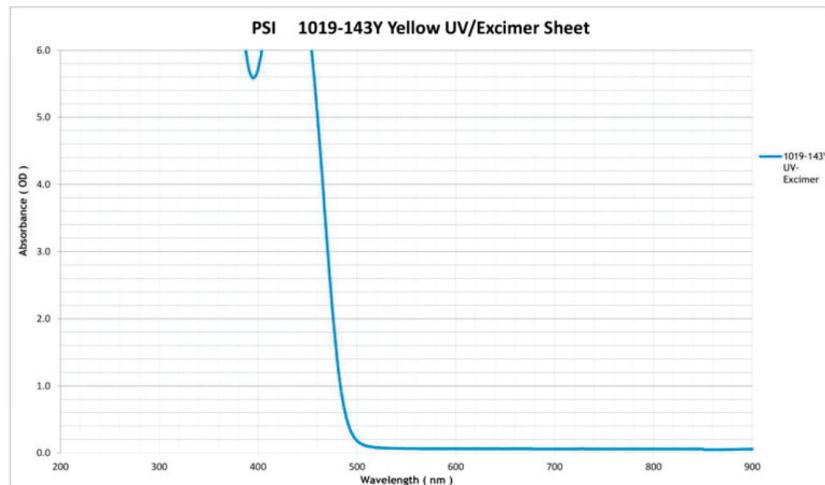
**SAFETY RATING** ANSI Z136.1

**VISIBLE LIGHT TRANSMISSION** 84%

**THICKNESS** 0.140"

**COLOR** YELLOW

## WAVELENGTH CHART



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**CATEGORY INFORMATION**  
LASER SAFETY WINDOWS



**PHILLIPS SAFETY  
GLASS WINDOW**

# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** BG-3 Laser Glass Window

**PART NUMBER** POL-BG3-0-165x165

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @507-682nm  
OD 7+ @518-677nm

**PRODUCT TYPE** Laser Glass Window

**MATERIAL** Glass

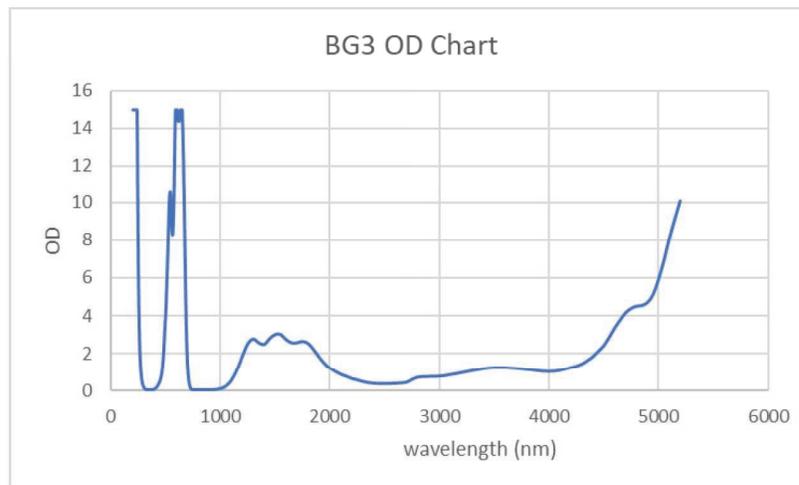
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** 14%

**DIMENSIONS** 6.5" x 6.5", 3.2mm Thickness

**COLOR** Purple

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** BG-36 Laser Glass Window

**PART NUMBER** POL-BG36-0-165X165

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @570-593nm  
OD 5+ @733-754nm

**PRODUCT TYPE** Laser Glass Window

**MATERIAL** Glass

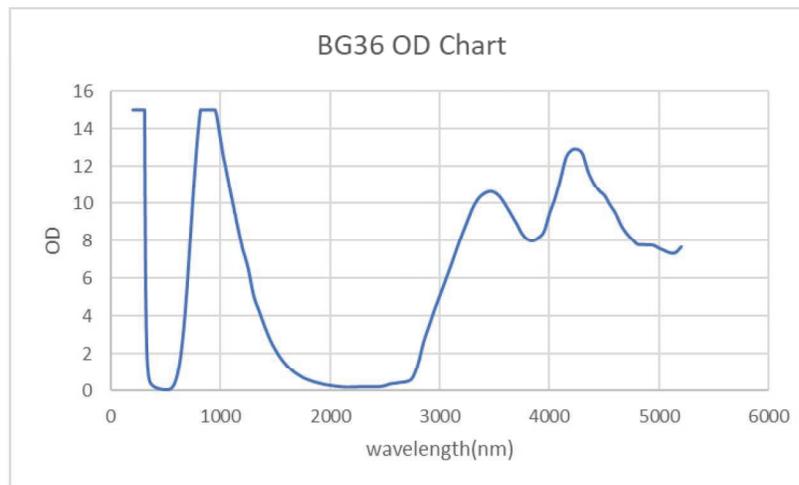
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** 71%

**DIMENSIONS** 6.5" x 6.5", 3.2mm Thickness

**COLOR** Brown

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** BG-39 Laser Glass Window

**PART NUMBER** POL-BG39-0-165X165

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @688-699nm  
OD 6+ @700-711nm  
OD 7+ @712-1200nm

**PRODUCT TYPE** Laser Glass Window

**MATERIAL** Glass

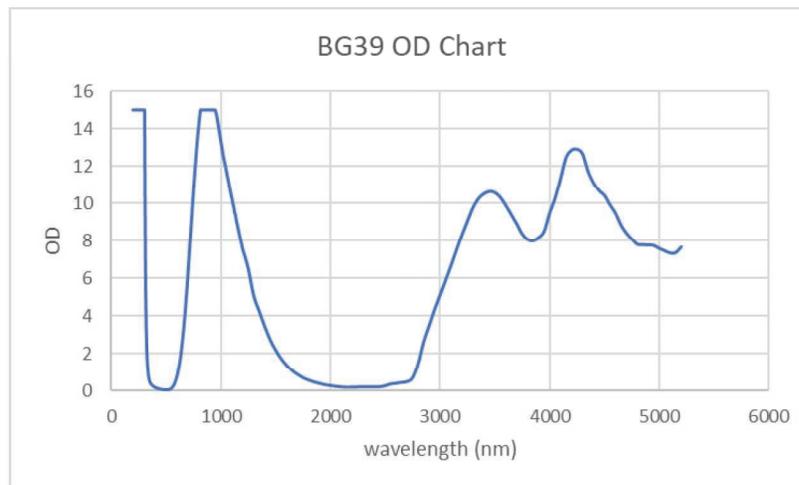
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** 55.5%

**DIMENSIONS** 6.5" x 6.5", 3.2mm Thickness

**COLOR** Light Blue

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** KG-5 Laser Glass Window

**PART NUMBER** POL-KG5-0-165X165

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @948-999nm  
OD 6+ @1000-1086nm  
OD 7+ @1087-1400nm  
OD 5+ @1450-1700nm  
OD 5+ @2850-3350nm  
OD 7+ @4100-10600nm

**PRODUCT TYPE** Laser Glass Window

**MATERIAL** Glass

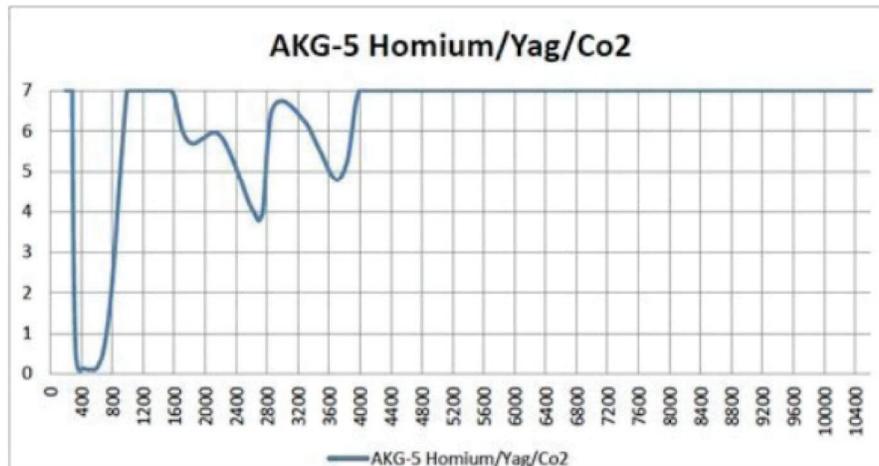
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** Excellent

**DIMENSIONS** 6.5" x 6.5", 3.2mm Thickness

**COLOR** Clear

## WAVELENGTH CHART



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Ryan Phillips | Vice President | Phillips Safety Products, Inc.

# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** OG-590 Laser Glass Window

**PART NUMBER** POL-OG590-0-165X165

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-535nm

**PRODUCT TYPE** Laser Glass Window

**MATERIAL** Glass

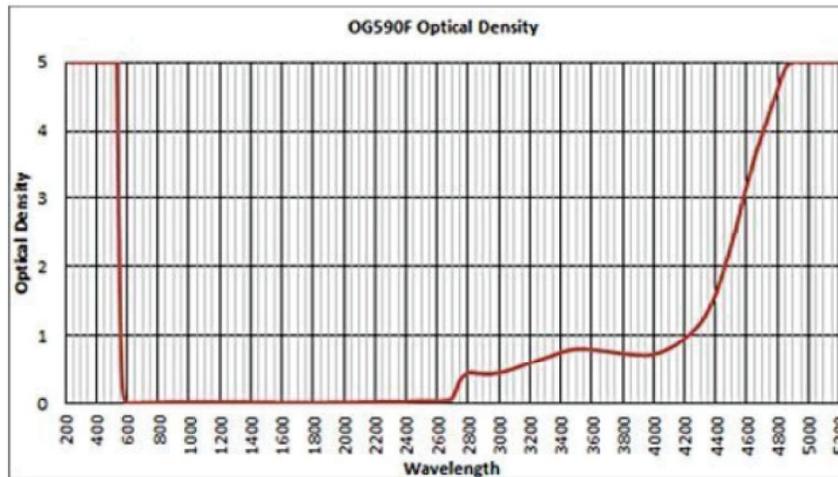
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** 38%

**DIMENSIONS** 6.5" x 6.5", 3.2mm Thickness

**COLOR** Pink

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** RG-610 Laser Glass Window

**PART NUMBER** POL-RG610-0-165X165

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @190-568nm

**PRODUCT TYPE** Laser Glass Window

**MATERIAL** Glass

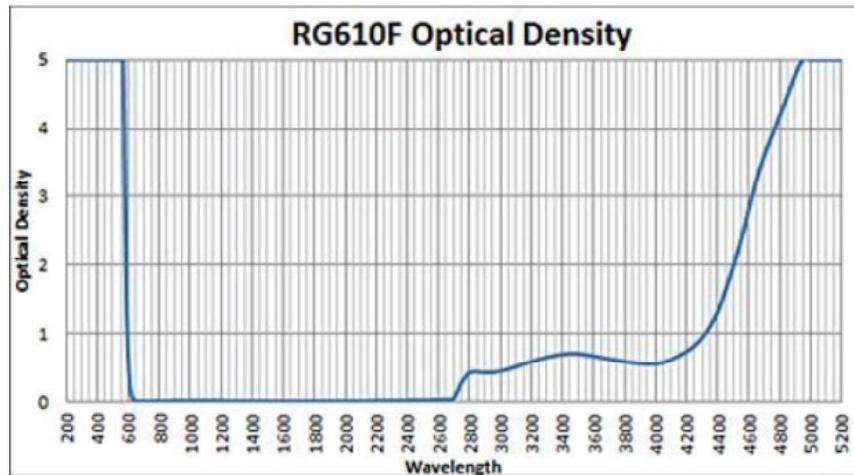
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** 38%

**DIMENSIONS** 6.5" x 6.5", 3.2mm Thickness

**COLOR** Pink

## WAVELENGTH CHART



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**CATEGORY INFORMATION**  
LASER SAFETY WINDOWS



**PHILLIPS SAFETY  
WINDOW FILM**

# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** Laser Protection Removable Film for UV,Nd:YAG and Holmium

**PART NUMBER** YLC-1PLUS

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @266 – 355nm  
OD 5+ @1064nm  
OD 3+ @808 – 2100nm  
OD 3+ @10600nm

**PRODUCT TYPE** Laser Protection Removable Film

**MATERIAL** Film

**SAFETY RATING** ANSI Z136.1 and CE EN207

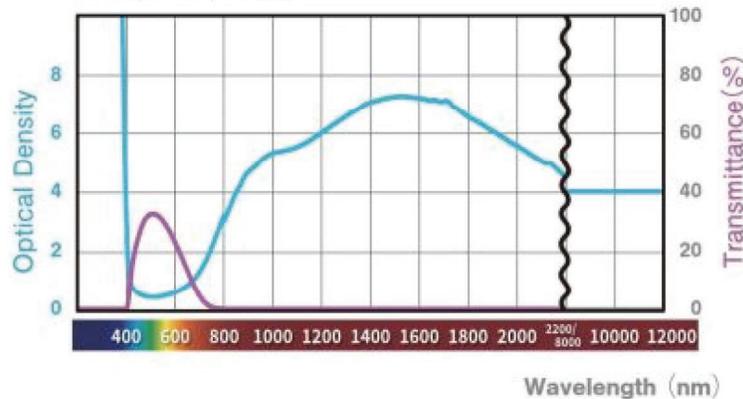
**VISIBLE LIGHT TRANSMISSION** 30%

**DIMENSIONS** 1 meter wide (39.5"), minimum length 1/2 meter

**COLOR** Light Blue

## WAVELENGTH CHART

### YLC-1Plus



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** Laser Protection Removable Film for Argon and KTP

**PART NUMBER** YLC-2

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 3+ @532nm  
OD 3+ @514.5nm  
OD 3+ @488nm  
OD 3+ @441nm

**PRODUCT TYPE** Laser Protection Removable Film

**MATERIAL** Film

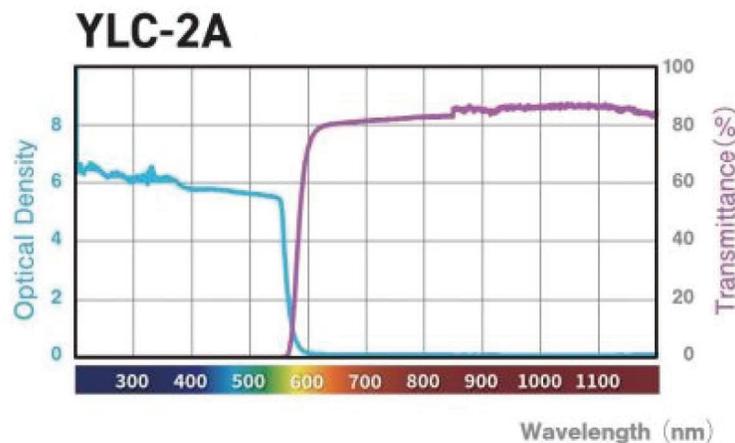
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** 30%

**DIMENSIONS** 1 meter wide (39.5"), minimum length 1/2 meter

**COLOR** Orange

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** Laser Protection Removable Film for UV,Nd:YAG and Diode Applications

**PART NUMBER** LPF-YAGDIO

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 5+ @266 – 355nm  
OD 5+ @1064nm  
OD 3+ @808 – 2100nm  
OD 3+ @10600nm

**PRODUCT TYPE** Laser Protective Removable Window Film

**MATERIAL** Film

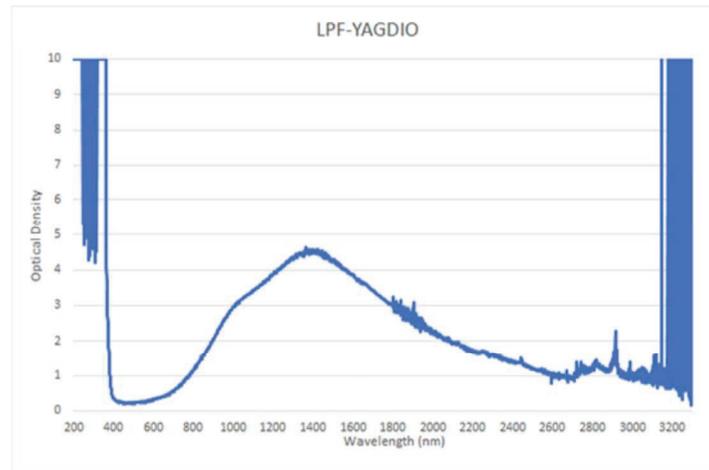
**SAFETY RATING** ANSI Z136.1 and CE EN207

**VISIBLE LIGHT TRANSMISSION** 30%

**DIMENSIONS** Width: 1 to 59 in, Length: 1 to 1180 in

**COLOR** Light Blue

## WAVELENGTH CHART



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# LASER WINDOWS & SHEETING

## PRODUCT SPECIFICATION



**PRODUCT NAME** Laser Protection Removable Film for YLC-3

**PART NUMBER** YLC-3

## PRODUCT SPECIFICATION

### PROTECTION SPECIFICATIONS

OD 3+ @585nm - 810nm

**PRODUCT TYPE** Laser Protection Removable Film

**MATERIAL** Film

**SAFETY RATING** CE EN12254

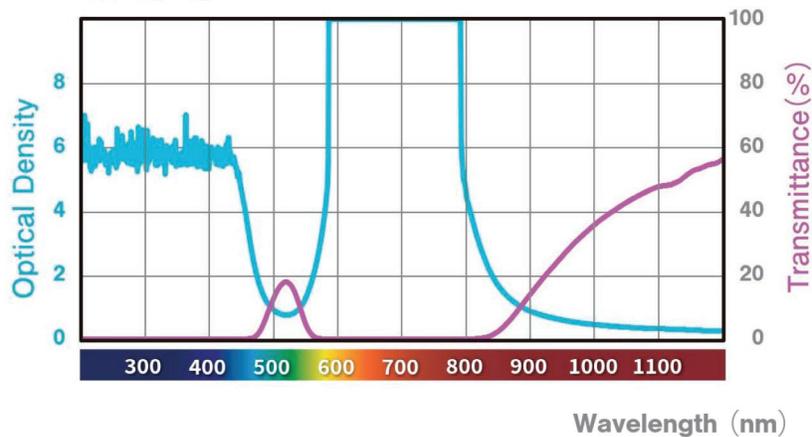
**VISIBLE LIGHT TRANSMISSION** 3%

**DIMENSIONS** 1 m x 0.5m, 1 m x 1 m - 10 m. 0.5mm Thickness

**COLOR** Green

## WAVELENGTH CHART

### YLC-3



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**PRODUCT INFORMATION**  
LASER WINDOW FILM

Effortless installation in any location, ensuring the safeguarding of workers from laser exposure.



Simple and versatile installation with just water.



Ideal for smooth surfaces like glass windows or inspection windows



Customizable sizing due to its soft PVC material.



Suitable for multiple laser lights or wavelengths.



Enhanced shielding performance when layered over laser shield products.

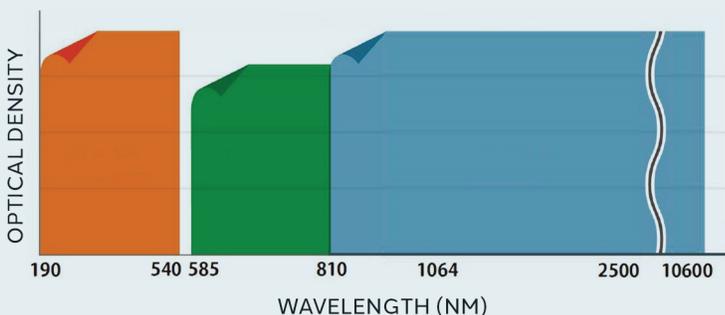
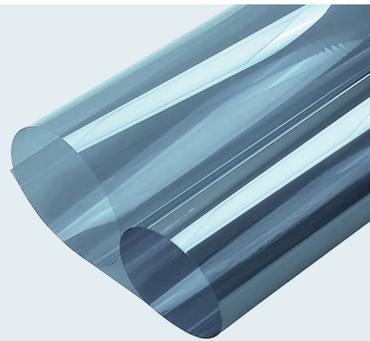
**ANSI Z136.1 AND CE EN207 CERTIFIED**

Phillips Safety offers laser protective removable window films with three different laser filters, all of which meet or exceed ANSI Z136.1 and CE EN207 safety standards. They have 30% of visible light transmission.

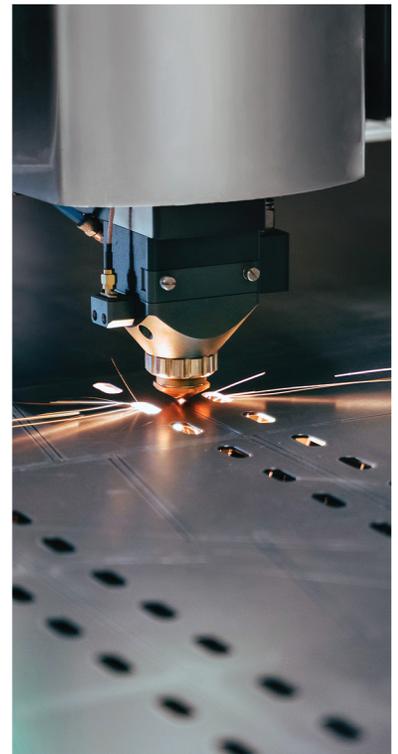
- Argon and KTP
- UV,Nd:YAG and Diode
- UV,Nd:YAG and Holmium

**CUSTOMIZED DIMENSIONS**

Our laser protection removable films can be manufactured in custom dimensions, providing tailored solutions for your specific needs.



Three filter types spanning a broad spectrum of wavelengths.



# MAIN FEATURES

## **NO NEED FOR ADHESIVE**

Simple installation, anytime, anywhere, and as often as needed. Requires water only for installation.

Utilizes self-adhesive properties, making application and removal simple.

## **IDEAL FOR SMOOTH SURFACES**

Effortless installation on smooth surfaces, like glass windows or inspection windows.

## **CUSTOMIZABLE SIZING**

Made from soft PVC material, facilitating simple cutting to achieve the desired dimensions.

## **VERSATILE PVC MATERIAL**

Allows for effective light-shielding on various surfaces, be they irregular, curved, or polyhedral, as long as they are smooth.

## **ENHANCED SHIELDING PERFORMANCE**

When layered over YLC shield products, it achieves high-performance and a wide range of wavelength shielding.

Suitable for handling multiple laser lights or wavelengths by overlaying multiple YLC shield products, adjusting OD specifications, or shielding across various wavelength ranges.



## SPECIFICATIONS

	Argon and KTP	UV,Nd:YAG and Diode	UV,Nd:YAG and Holmium
<b>Material</b>	PVC		
<b>Color</b>	Orange	Light Blue	Light Blue
<b>Safety Standards</b>	ANSI Z136.1 and CE EN207		
<b>Size</b>	Width: 1 meter (39.5") Length: Minimum 1/2 meter	Width: 1-59 inches Length: 1-1180 inches	Width: 1 meter (39.5") Length: Minimum 1/2 meter
<b>VLT</b>	30%		
<b>Flame Proof</b>	Nonflammable Oxygen index 25 (JIS K-7201-A)		

## BEFORE USE

To ensure effective adhesive strength, it is essential to follow these guidelines.

### SURFACE CONDITION

- The surface to which the product will be attached must be smooth.
- Ensure an adequate attached area for proper adhesion.
- Avoid attaching to surfaces with dirt or oil, as this can compromise adhesion.

### AIR BUBBLES

- When applying the product, take care to minimize the presence of air bubbles between the curtain and the glass surface.
- Note that the presence of air bubbles will not impact the light-shielding performance. However, it may lead to reduced adhesion or product detachment.

### COMPATIBILITY

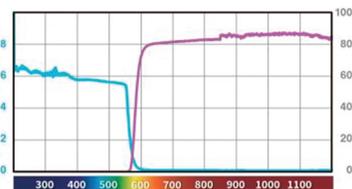
- When using a combination of different products, there might be variations in adhesion between them.
- In some cases, color transfer may occur between products.
- Importantly, such variations and color transfer do not affect the overall performance or safety of the product.

## WAVELENGTH INFORMATION

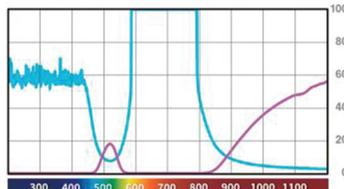
— OPTICAL DENSITY

— TRANSMITTANCE (%)

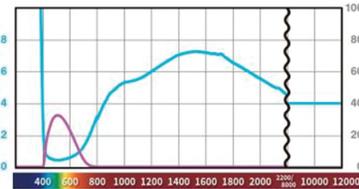
ARGON AND KTP



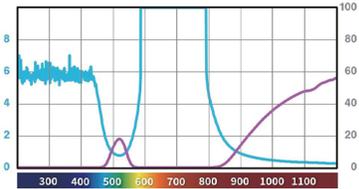
UV,ND:YAG AND DIODE



UV,ND:YAG AND HOLMIUM



YLC-3



# CONTACT

Should you need any further information,  
please do not hesitate to contact us.

123 Lincoln Blvd, Middlesex, NJ 08846, USA 

+1 (866) 575 1307 

service@phillips-safety.com 

www.phillips-safety.com 