

LASER WINDOW FILM

CATEGORY INFORMATION

PHILLIPS-SAFETY.COM

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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 WINDOW FILM

Laser barriers, also known as laser safety curtains or laser protective barriers, are specialized materials designed to block or absorb laser beams. They are commonly used in industrial or laboratory settings where lasers are present, to protect workers or the public from accidental exposure to laser radiation. Laser barriers can be made of various materials and are available in different sizes and shapes to fit specific areas or equipment. They are also classified based on the level of protection they provide against different laser classes and wavelengths.

Our assortment of laser barriers at Phillips Safety is designed with high-quality materials and construction to ensure maximum protection in hazardous environments. Whether you need a mobile or fixed barrier, we offer a range of sizes and shapes to meet your specific needs. Our barriers are made with double or triple-reinforced seams to provide the utmost protection against laser radiation. Additionally, we offer custom barriers that can be tailored to your unique specifications upon request.



CATEGORY INFORMATION
LASER WINDOW FILM



Laser barriers are an important part of laser safety measures, and their proper use and maintenance are crucial to avoid accidents or injuries caused by laser radiation. As such, it is important that they meet or exceed the safety standards set by the American National Standards Institute (ANSI) 136.1, as is the case with the barriers available at Phillips Safety. This certification ensures that all of our laser barriers provide the necessary protection for safe use of lasers.

We offer a variety of laser barrier options at Phillips Safety, including the LaserEdge Laser Safety Barrier and the LaserEdge Plus Laser Safety Barrier, lightweight and transportable laser safety barrier that protects against high and low power lasers; and the LaserEdge Laser Window Block, which protects windows from laser light using high-quality fabric and can be mounted in various ways. At Phillips Safety, all laser barriers meet or exceed the safety standards set by the American National Standards Institute (ANSI) 136.1 for the safe use of lasers. This certification guarantees that each barrier will provide the protection needed for specific laser applications.

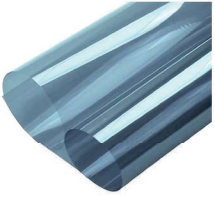
CATEGORY INFORMATION
LASER WINDOW FILM



**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

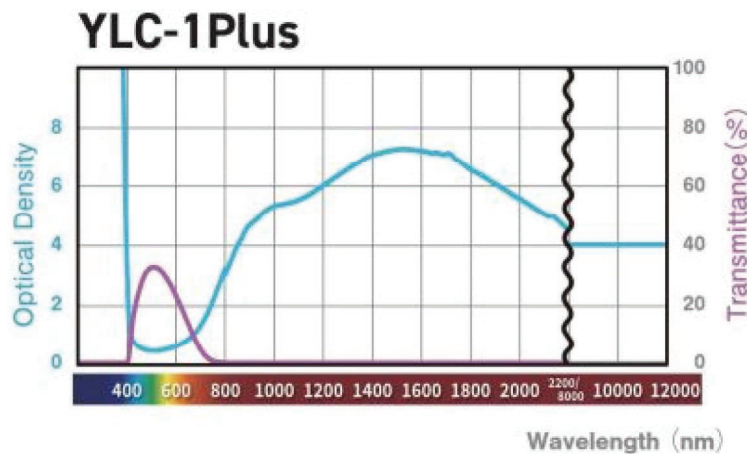
SAFETY RATING ANSI Z136.1 and CE EN207

VISIBLE LIGHT TRANSMISSION 30%

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

COLOR Light Blue

WAVELENGTH CHART



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 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

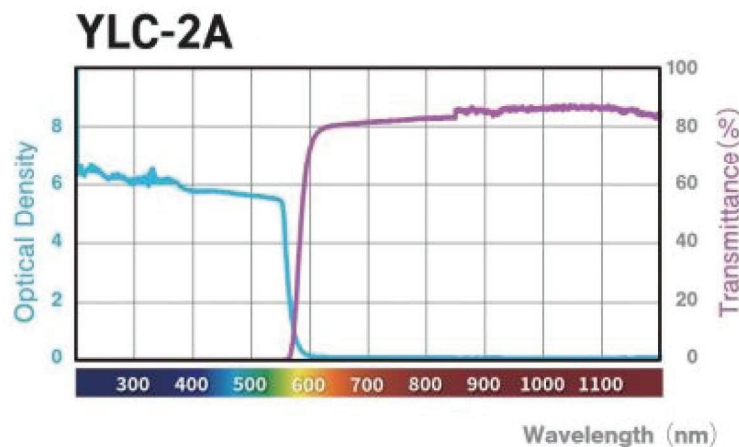
SAFETY RATING ANSI Z136.1 and CE EN207

VISIBLE LIGHT TRANSMISSION 30%

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

COLOR Orange

WAVELENGTH CHART



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 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

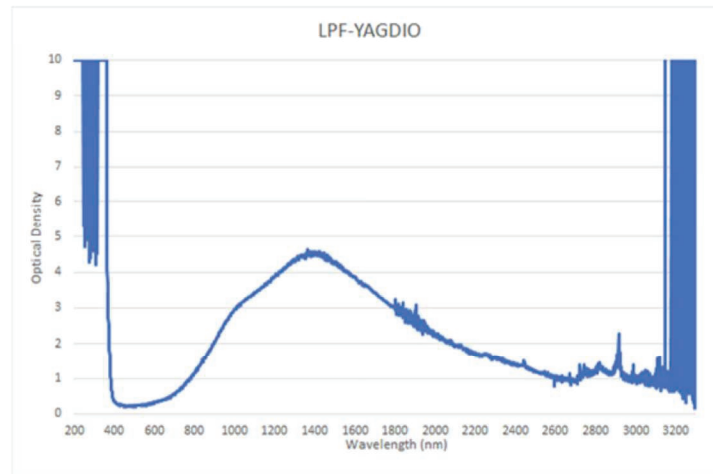
SAFETY RATING ANSI Z136.1 and CE EN207

VISIBLE LIGHT TRANSMISSION 30%

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

COLOR Light Blue

WAVELENGTH CHART



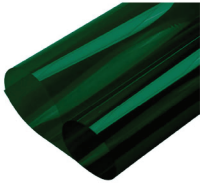
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Ryan Phillips | Vice President | Phillips Safety Products, Inc.

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

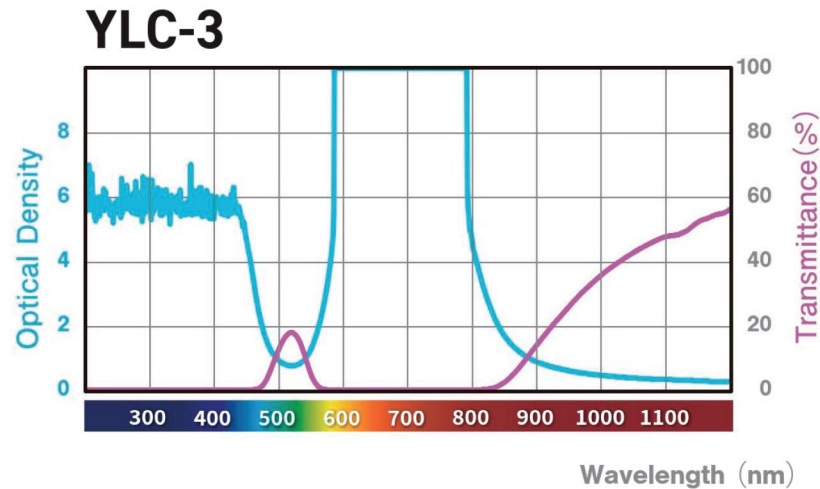
SAFETY RATING CE EN12254

VISIBLE LIGHT TRANSMISSION 3%

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

COLOR Green

WAVELENGTH CHART



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

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.

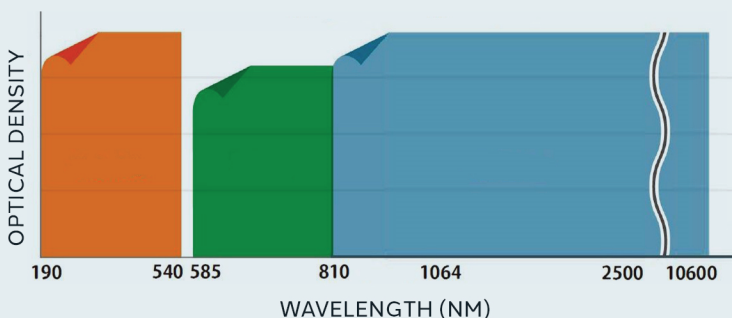
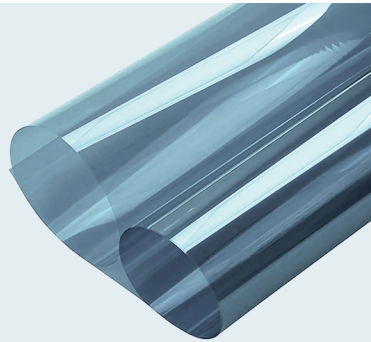
ANSI Z136.1 AND CE EN207 CERTIFIED

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
Material	PVC		
Color	Orange	Light Blue	Light Blue
Safety Standards	ANSI Z136.1 and CE EN207		
Size	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
VLT	30%		
Flame Proof	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

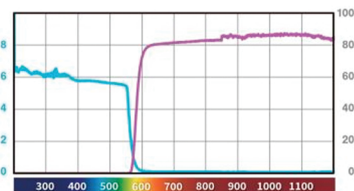
- When using a combination of different products, there might be variations in adhesion between them.
- In some cases, color transfer may occur between products.
- Importantly, such variations and color transfer do not affect the overall performance or safety of the product.

WAVELENGTH INFORMATION

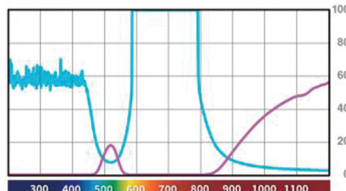
— OPTICAL DENSITY

— TRANSMITTANCE (%)

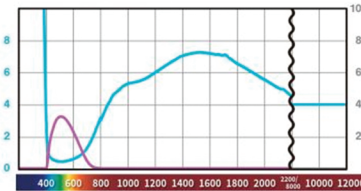
ARGON AND KTP



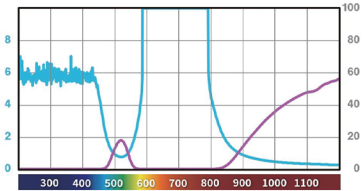
UV,ND:YAG AND DIODE



UV,ND:YAG AND HOLMIUM



YLC-3




CONTACT

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

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