

# YLC-1PLUS LASER WINDOW FILM

CATEGORY INFORMATION

PHILLIPS-SAFETY.COM

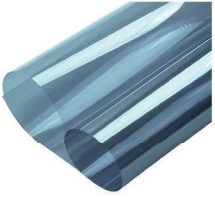
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**PHILLIPS SAFETY**  
PRODUCTS INC.

# 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

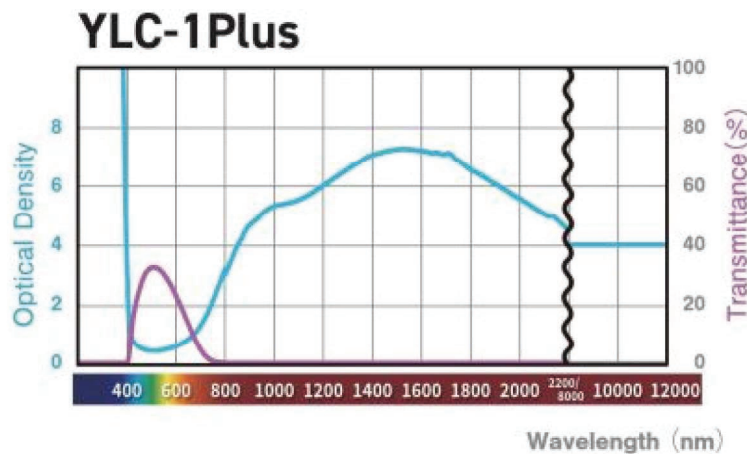
**SAFETY RATING** ANSI Z136.1 and CE EN207

**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.

## 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.

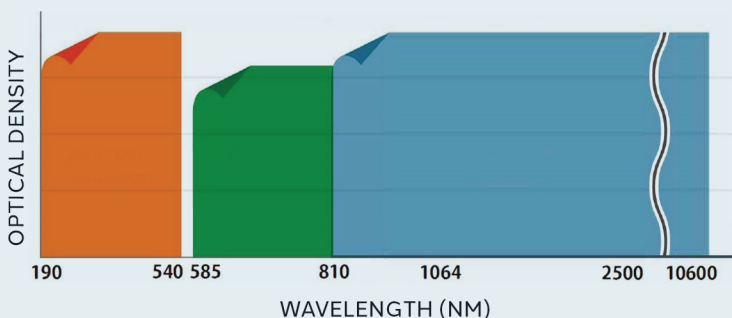
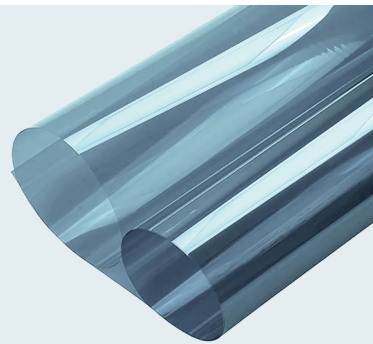
## ANSI Z136.1 AND CE EN207 CERTIFIED

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

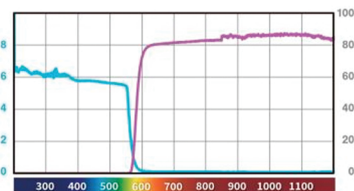
- When using a combination of different products, there might be variations in adhesion between them.
- In some cases, color transfer may occur between products.
- Importantly, such variations and color transfer do not affect the overall performance or safety of the product.

## WAVELENGTH INFORMATION

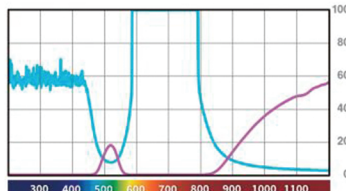
— OPTICAL DENSITY

— TRANSMITTANCE (%)

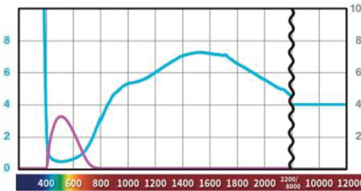
ARGON AND KTP



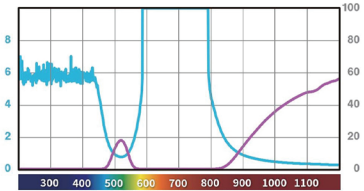
UV,ND:YAG AND DIODE



UV,ND:YAG AND HOLMIUM



YLC-3



# CONTACT

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

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