

# LASER WELDING SAFETY

## CATEGORY INFORMATION

PHILLIPS-SAFETY.COM

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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 WELDING SAFETY

Phillips Safety Products leads the personal protective gear industry, focusing on the laser safety welding industries. We design our Laser Fiber Welding Safety Glasses, Face Shields, and Welding Filter Plates for maximum safety and performance. Our products combine advanced technology with comfort and durability, essential for professionals.

Our team creates Laser Safety Glasses that block harmful laser wavelengths to protect your eyes during welding. These glasses, lightweight and strong, ensure comfort and safety. Special coatings on the lenses enhance visibility while protecting against dangerous radiation.

Our Face Shields offer full-face protection against sparks, splatter, and radiation. We use high-quality, impact-resistant materials to ensure safety and a broad view. The adjustable headbands fit all head sizes, perfect for long-term use in tough





**CATEGORY INFORMATION**  
**LASER WELDING SAFETY**



We also offer Welding Filter Plates for clear vision and protection against ultraviolet and infrared emissions. These plates reduce eye strain and come in various shades for different welding needs. Welders can choose the best protection and visibility for their work.

Phillips Safety Products commits to top-notch safety solutions for laser and welding tasks. Our gear meets industry standards and focuses on user comfort and protection. Choose our Laser Fiber Welding Safety Glasses, Face Shields, and Welding Filter Plates for reliable safety.

**CATEGORY INFORMATION**  
LASER WELDING SAFETY



# **LASER WELDING SAFETY**

OD SPECIFICATIONS:

- OD 6+ @ 190-400nm
- OD 5+ @ 850-2,700nm
- OD 7+ @ 1,000-2,500nm
- OD 8+ @ 1,200-2,450nm
- OD 6+ @ 9,000-11,000nm



VLT: 2%

The Laser Welding Helmet Plate Shade 5 | Small 2 x 4.25 is a high-quality laser welding lens. Made of acrylic, this Phillips Safety lens is constructed with the finest optical quality material available. With extremely durability, it provides true HD optics, excellent clarity and maximum protection. These Phillips Safety lenses have a small rectangular shape with dimensions of 2" H x 4.25" W, therefore they fit all 2" x 4.25" laser welding helmets. Plus, it is available in Athermal® Green filter shade 5. In addition, the Green Laser Welding Helmet Plate meets ANSI Z136.1 and CSA Z94.3 safety standards.

SPECIFICATION

COLOR: Green	SHAPE: Rectangular
DIMENSIONS: 2" x 4.25"	SIZE: Small
FILTER SHADE: Shade 5	VLT: 2%

**PRODUCT INFORMATION**  
LASER WELDING HELMET PLATE SHADE 3 | LARGE 4.5 X 5.25

**OD SPECIFICATIONS:**

- OD 6+ @ 190-400nm
- OD 5+ @ 870-1,200nm
- OD 6+ @ 1,000-1,100nm
- OD 7+ @ 1,020-1,100nm
- OD 6+ @ 9,000-11,000nm

**VLT: 18%**



The Laser Welding Helmet Plate Shade 3 | Large 4.5 x 5.25 is a high-quality laser welding lens. Made of acrylic, this Phillips Safety lens is constructed with the finest optical quality material available. With extremely durability, it provides true HD optics, excellent clarity and maximum protection. These Phillips Safety lenses have a large rectangular shape with dimensions of 4.5" H x 5.25" W, therefore they fit all 4.5" x 5.25" laser welding helmets. Plus, it is available in Athermal® Green filter shade 3. In addition, the Green Laser Welding Helmet Plate meets ANSI Z136.1 and CSA Z94.3 safety standards.

**SPECIFICATION**

<b>COLOR:</b> Green	<b>SHAPE:</b> Rectangular
<b>DIMENSIONS:</b> 4.5" x 5.25"	<b>SIZE:</b> Large
<b>FILTER SHADE:</b> Shade 3	<b>VLT:</b> 18%

**PRODUCT INFORMATION**  
LASER WELDING HELMET PLATE SHADE 3 | CIRCULAR 50 MM, SET OF 2

**OD SPECIFICATIONS:**

- OD 6+ @ 190-400nm
- OD 5+ @ 870-1,200nm
- OD 6+ @ 1,000-1,100nm
- OD 7+ @ 1,020-1,100nm
- OD 6+ @ 9,000-11,000nm

**VLT: 18%**



The Laser Welding Helmet Plate Shade 3 | Circular 50 mm, Set of 2 is a high-quality laser welding lens. Made of acrylic, this Phillips Safety lens is constructed with the finest optical quality material available. With extremely durability, it provides true HD optics, excellent clarity and maximum protection. These Phillips Safety lenses have a small circular shape with dimensions of 50mm, therefore they fit all 50mm laser welding helmets. Plus, it is available in Athermal® Green filter shade 3 and comes in a set of 2. In addition, the Green Laser Welding Helmet Plate meets ANSI Z136.1 and CSA Z94.3 safety standards.

**SPECIFICATION**

<b>COLOR:</b> Green	<b>SHAPE:</b> Circular
<b>DIMENSIONS:</b> 50mm	<b>SIZE:</b> Small
<b>FILTER SHADE:</b> Shade 3	<b>VLT:</b> 18%



OD SPECIFICATIONS:

- OD 6+ @ 190-400nm
- OD 5+ @ 870-1,200nm
- OD 6+ @ 1,000-1,100nm
- OD 7+ @ 1,020-1,100nm
- OD 6+ @ 9,000-11,000nm



VLT: 18%

The Laser Welding Helmet Plate Shade 3 | Small 2 x 4.25 is a high-quality laser welding lens. Made of acrylic, this Phillips Safety lens is constructed with the finest optical quality material available. With extremely durability, it provides true HD optics, excellent clarity and maximum protection. These Phillips Safety lenses have a small rectangular shape with dimensions of 2" H x 4.25" W, therefore they fit all 2" x 4.25" laser welding helmets. Plus, it is available in Athermal® Green filter shade 3. In addition, the Green Laser Welding Helmet Plate meets ANSI Z136.1 and CSA Z94.3 safety standards.

SPECIFICATION

COLOR: Green	SHAPE: Rectangular
DIMENSIONS: 2" x 4.25"	SIZE: Small
FILTER SHADE: Shade 3	VLT: 18%

**PRODUCT INFORMATION**  
LASER WELDING HELMET PLATE SHADE 5 | LARGE 4.5 X 5.25

**OD SPECIFICATIONS:**

- OD 6+ @ 190-400nm
- OD 5+ @ 850-2,700nm
- OD 7+ @ 1,000-2,500nm
- OD 8+ @ 1,200-2,450nm
- OD 6+ @ 9,000-11,000nm

**VLT: 2%**



The Laser Welding Helmet Plate Shade 5 | Large 4.5 x 5.25 is a high-quality laser welding lens. Made of acrylic, this Phillips Safety lens is constructed with the finest optical quality material available. With extremely durability, it provides true HD optics, excellent clarity and maximum protection. These Phillips Safety lenses have a large rectangular shape with dimensions of 4.5" H x 5.25" W, therefore they fit all 4.5" x 5.25" laser welding helmets. Plus, it is available in Athermal® Green filter shade 5. In addition, the Green Laser Welding Helmet Plate meets ANSI Z136.1 and CSA Z94.3 safety standards.

**SPECIFICATION**

<b>COLOR:</b> Green	<b>SHAPE:</b> Rectangular
<b>DIMENSIONS:</b> 4.5" x 5.25"	<b>SIZE:</b> Large
<b>FILTER SHADE:</b> Shade 5	<b>VLT:</b> 2%

OD SPECIFICATIONS:

- OD 6+ @ 190-400nm
- OD 5+ @ 850-2,700nm
- OD 7+ @ 1,000-2,500nm
- OD 8+ @ 1,200-2,450nm
- OD 6+ @ 9,000-11,000nm

VLT: 2%



The Laser Welding Helmet Plate Shade 5 | Circular 50 mm, Set of 2 is a high-quality laser welding lens. Made of acrylic, this Phillips Safety lens is constructed with the finest optical quality material available. With extremely durability, it provides true HD optics, excellent clarity and maximum protection. These Phillips Safety lenses have a small circular shape with dimensions of 50mm, therefore they fit all 50mm laser welding helmets. Plus, it is available in Athermal® Green filter shade 5 and comes in a set of 2. In addition, the Green Laser Welding Helmet Plate meets ANSI Z136.1 and CSA Z94.3 safety standards.

SPECIFICATION

COLOR: Green	SHAPE: Circular
DIMENSIONS: 50mm	SIZE: Large
FILTER SHADE: Shade 5	VLT: 18%

**PRODUCT INFORMATION**  
LASER WELDING FACE SHIELD SHADE 3

**OD SPECIFICATIONS:**

OD 6+ @ 190-400nm  
OD 5+ @ 870-1,200nm  
OD 6+ @ 1,000-1,100nm  
OD 7+ @ 1,020-1,100nm  
OD 6+ @ 9,000-11,000nm

**VLT: 18%**



The Laser Welding Face Shield Shade 3 provides protection for the face and eyes. With its adjustable head strap and ratcheting nape strap, this shield offers a personalized fit for optimal comfort and safety. Its pivot action design allows for easy lifting while in use. Crafted with an acrylic lens, this Phillips Safety face shield offers superior optical quality and remarkable durability, delivering true HD optics, exceptional clarity, and optimal protection. Additionally, it is available with an Athermal® Green filter shade 3. Compliant with ANSI Z136.1 safety standards.

**SPECIFICATION**

**LENS COLOR:** Green

**FILTER SHADE:** Shade 3

**VLT:** 18%

**SHIELD MATERIAL:** Acrylic

**SAFETY RATING:** ANSI Z136.1

**PRODUCT INFORMATION**  
LASER WELDING FACE SHIELD SHADE 5

**OD SPECIFICATIONS:**

OD 6+ @ 190-400nm  
OD 5+ @ 850-2,700nm  
OD 7+ @ 1,000-2,500nm  
OD 8+ @ 1,200-2,450nm  
OD 6+ @ 9,000-11,000nm

**VLT: 2%**



The Laser Welding Face Shield Shade 5 provides protection for the face and eyes. With its adjustable head strap and ratcheting nape strap, this shield offers a personalized fit for optimal comfort and safety. Its pivot action design allows for easy lifting while in use. Crafted with an acrylic lens, this Phillips Safety face shield offers superior optical quality and remarkable durability, delivering true HD optics, exceptional clarity, and optimal protection. Additionally, it is available with an Athermal® Green filter shade 5. Compliant with ANSI Z136.1 safety standards.

**SPECIFICATION**

**LENS COLOR:** Green

**FILTER SHADE:** Shade 5

**VLT:** 2%

**SHIELD MATERIAL:** Acrylic

**SAFETY RATING:** ANSI Z136.1



## PRODUCT INFORMATION

LASER WELDING HELMET 950-1100NM OD 8+ | LSFS-WH1100



The Laser Welding Helmet 950-1100nm Od 8+ is designed to provide comprehensive protection for the face and eyes, ensuring safety during welding tasks. Featuring an adjustable headband with an angle adjustment knob, width adjustment knob, and a comfort cushion, it offers a customizable fit for enhanced comfort and secure wear. For added protection, it is available with a green filter, making it an ideal choice for laser welding applications.

OD 8+ 950-1100nm

How to use:

- Check Helmet Specifications: Ensure it's rated for laser welding protection.
- Adjust Fit: Secure the helmet snugly using headband adjustments.
- Inspect Helmet: Check for damage, scratches, or cracks in the lens.
- Wear Proper PPE: Combine the helmet with gloves, clothing, and other safety gear
- Position Correctly: Lower the helmet before welding to fully cover your face.

## SPECIFICATION

**HELMET MATERIAL:** Plastic

**LENS COLOR:** Green

**VLT:** 38%

**FEATURES:** Adjustable Top Strap, Angle Adjustment Knob, Width Adjustment knob, Comfort Cushion

# CONTACT

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

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