

KG5/AKP LASER SAFETY GLASSES

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.

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Laser safety glasses are specialized eyewear designed to protect the eyes from the potentially harmful effects of laser radiation. These glasses are equipped with special optical filters that selectively absorb or reflect specific wavelengths of laser light, ensuring that only safe levels of light reach the eyes. They are crucial for individuals working in environments where lasers are used, such as in research laboratories, medical facilities, and industrial settings.

Phillips Safety's KG5/AKP laser safety glasses feature an advanced polycarbonate clear and orange lens filter designed to provide exceptional laser protection. The combination of Phillips Safety's expertise in laser safety and the optimal features of the KG5/AKP laser safety glasses makes them an ideal choice for professionals seeking superior optical performance and uncompromising safety in laser-intensive work settings.

With an excellent visible light transmission from the KG5 lens, and a VLT of 46.4% from the AKP lens, these glasses offer a remarkable balance between protection and visual clarity. These VLTs ensure that wearers can maintain clear vision while safeguarding their eyes from potentially harmful laser radiation.



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Plus, it allows for a practical and comfortable user experience across a range of lighting conditions.

It is important to note that they are engineered for specific laser wavelengths, offering precise protection with the following Optical Density (OD) ratings:

KG5 lens:

OD 4+ @870-950nm; OD 5+ @950-1000nm;
OD 7+ @1000-1550nm; OD 4+ @1550-2750nm;
OD 6+ @2800-11,000nm.

AKP lens:

OD 6+ @190-532nm; OD 6+ @5000-11000nm.

In addition, our KG5/AKP laser safety glasses meet and exceed industry safety standards. They are rigorously tested and comply with ANSI Z136.1 safety standards, ensuring your peace of mind in laser-intensive environments. Whether working in a laboratory, medical facility, or industrial setting, Phillips Safety's KG5/AKP laser safety glasses offer essential protection without compromising vision clarity, promoting both safety and efficiency in diverse professional environments. For unparalleled laser safety, choose Phillips Safety's glasses.

LASER PROTECTIVE EYEWEAR

LENS FILTER SPECIFICATIONS

PROTECTION OPTION AKG-5 Holmium/Yag/Co2

LENS BLANK PART NUMBER LS-KG5-LB

LENS SPECIFICATION

PROTECTION SPECIFICATIONS

OD 4+ @870-950nm
OD 4+ @1550-2750nm
OD 5+ @950-1000nm
OD 6+ @2800-11000nm
OD 7+ @1000-1550nm

CE LASER RATING
900 – 925 DIR LB4
925 – 1000 DIR LB5
1000 – 1025 DIR LB6
1025 – 1400 D LB6 + IR LB7
1400 – 2400 DIR LB4
2900 – 10600 DI LB4

LENS TYPE KG5

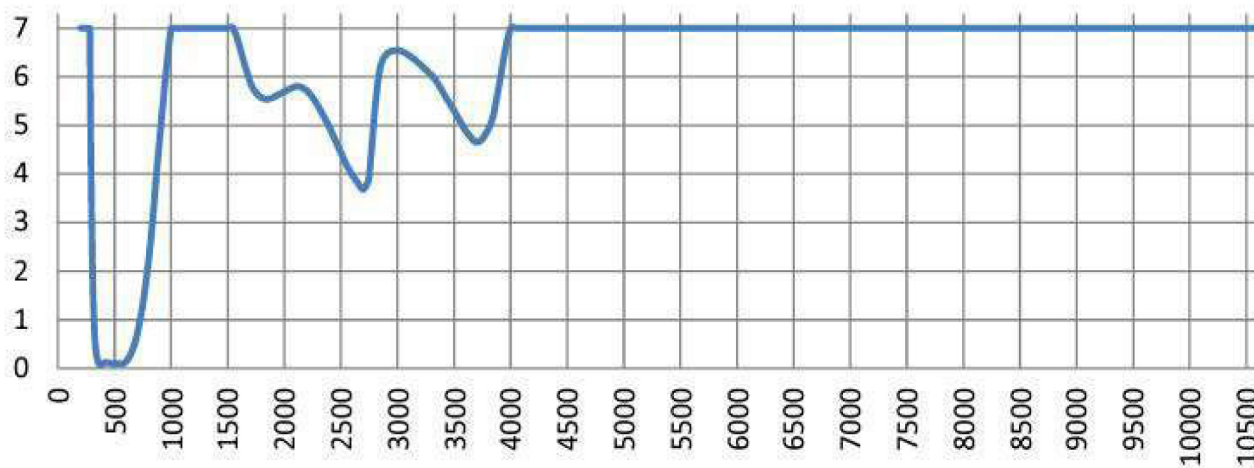
MATERIAL Glass

SAFETY RATING ANSI Z136.1

VISIBLE LIGHT TRANSMISSION 75%

COLOR Clear

WAVELENGTH CHART



This is to certify that our product listed above has been tested to, and meets all requirements for, 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.

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

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

LASER PROTECTIVE EYEWEAR

LENS FILTER SPECIFICATIONS



PROTECTION OPTION Argon/KTP Lens

LENS BLANK PART NUMBER LS-AKP-LB

LENS SPECIFICATION

PROTECTION SPECIFICATIONS

OD 6+ @190-532nm
OD 6+ @5000-11000nm

LENS TYPE AKP

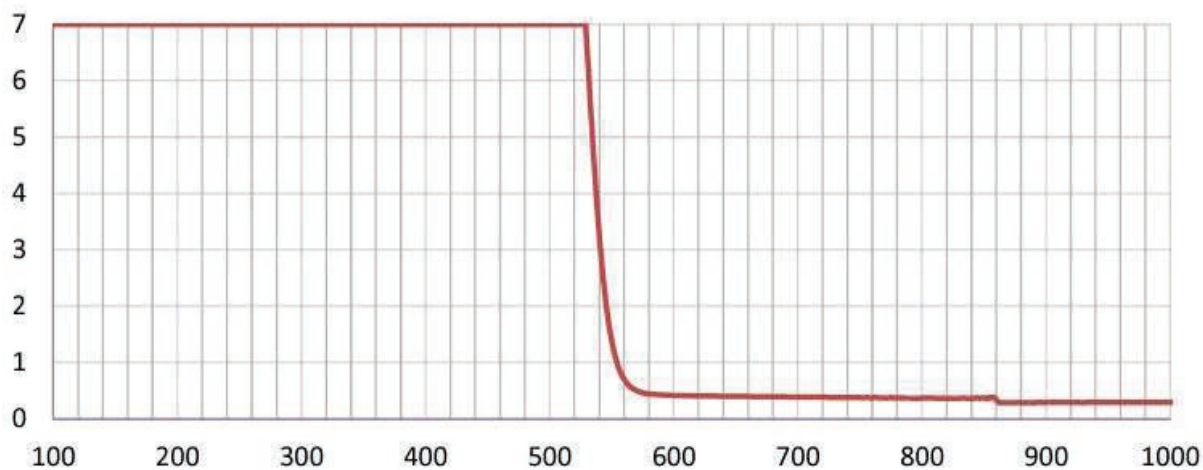
MATERIAL Polycarbonate

SAFETY RATING ANSI Z87+, ANSI Z36.1

VISIBLE LIGHT TRANSMISSION 46.4%

COLOR Orange

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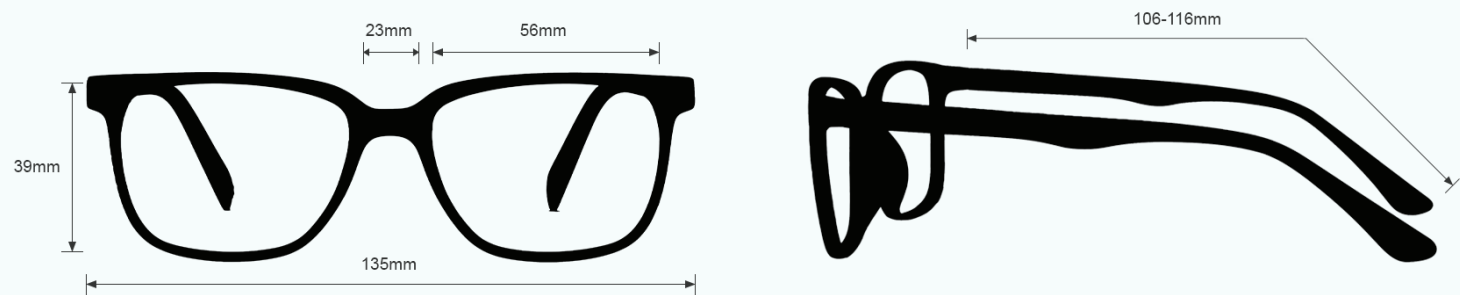
Ryan Phillips | Vice President | Phillips Safety Products, Inc.

PRODUCT INFORMATION
KG5/AKP LASER SAFETY GLASSES 17004



The KG5/AKP laser safety glasses have a polycarbonate clear and orange lens filter that provides laser protection. These laser glasses come with double AKG-5 and AKP lens filters in a flip up glasses. In addition, the KG5/AKP laser safety glasses have ANSI Z136.1 safety standards. These laser safety glasses 17004 is a durable and lightweight wrap around frame. Made of high-quality plastic, the 17004 laser safety glasses feature adjustable temple bars. These Phillips Safety laser safety glasses are available in black.

FRAME SPECIFICATION



CONTACT

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

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