

Goggles

Absorptive Protective Goggles

The "Intrinsically Safe" Solution for High-Energy Laser Environments

- Scratch-Resistant Safety: No Compromise on Protection
- Superior Visual Clarity & Balance
- True Full-Angle Protection
- Multi-Wavelength Efficiency ("One Pair for All")



One Platform Many Possibilities

Contact Us sales@venuslabtech.com

Get a Quote



Get Expert Advice
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Overview

Volumetric Absorption: The Core of Intrinsic Safety

The VenusLab VLSG Series is professional protective gear engineered for precision optical laboratories and high-intensity industrial laser environments. Unlike traditional surface-coated reflective eyewear, the VLSG Series adopts advanced **Volumetric Absorption Technology**.

Specific wavelength absorbers are compounded with high-quality Polycarbonate (PC) substrates during the molding process, dispersing protective agents throughout the entire lens matrix. This "**Intrinsic Safety**" design ensures the most reliable vision protection for both scientific research and industrial production.

Typical Applications

- Laser Marking & Cutting,
- Optical Alignment
- Laser Dermatology/Medical
- Fiber Optic Research

Compliance

Strictly compliant with international laser safety standards (CE / EN207). Every pair of VLSG eyewear undergoes rigorous Optical Density testing, ensuring trustworthy performance.

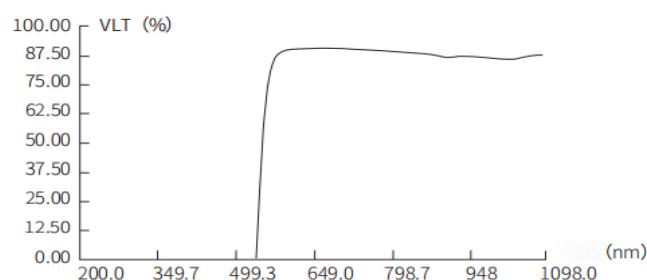
Selection Chart

Laser Safety Eyewear Specifications (Absorption Type)

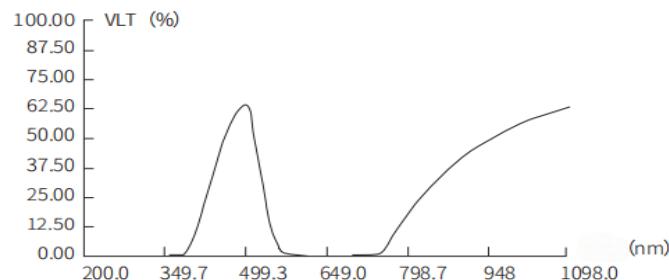
Model	Protection Wavelength (nm)	Typical Laser Type	Typical Wavelength (nm)	Optical Density (OD)	VLT (%)
VLSG-VIS-540	200 - 540	Frequency Doubled Nd:YAG	532	4+	50
VLSG-RED-700	600 - 700	He-Ne Laser	632.8	4+	30
VLSG-IR-1100	800 - 1100	Nd:YAG Laser	1064	4+	60
VLSG-MULTI-YAG	200 - 540 800 - 1100	Ar Ion / Nd:YAG	514, 532, 1064	4+	30
VLSG-CO2-10600	9000 - 11000	CO2 Laser	10600	4+	60
VLSG-HOL-2100	1900 - 2400	Holmium Laser	2100	4+	95
VLSG-UV-450	200 - 450	UV / Excimer Laser	266, 355, 441	4+	50
VLSG-IR-1700	800 - 1700	Fiber / Diode Laser	1350, 1550	4+	40
VLSG-DIODE-810	750 - 820	Diode Laser	808, 810	4+	60
VLSG-YAG-1320	1200 - 1500	Nd:YAG Laser	1320	4+	40
VLSG-ER-2940	2700 - 3000	Er:YAG Laser	2940	4+	40

VLT Curve

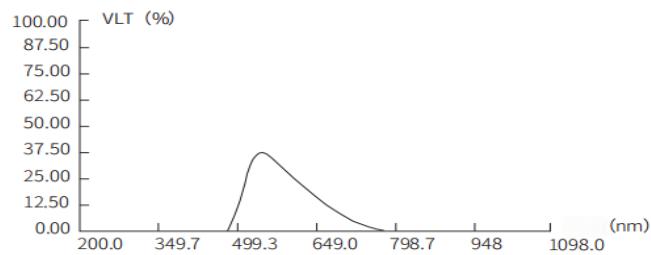
VLSG-VIS-540



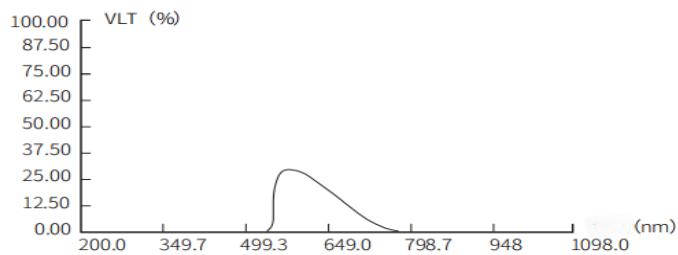
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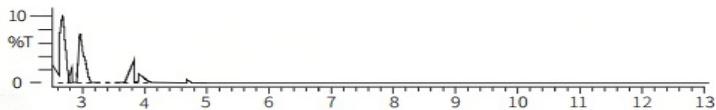
VLSG-IR-1100



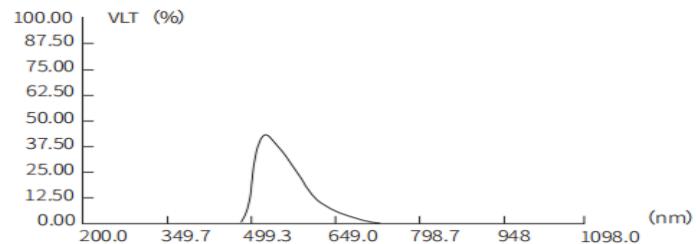
VLSG-IR-PRO



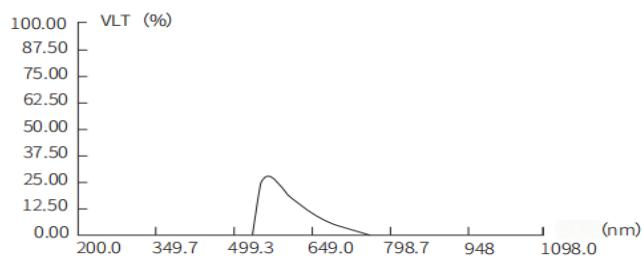
VLSG-CO2-10600



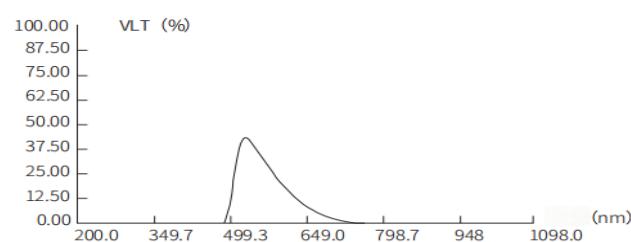
VLSG-MULTI-YAG



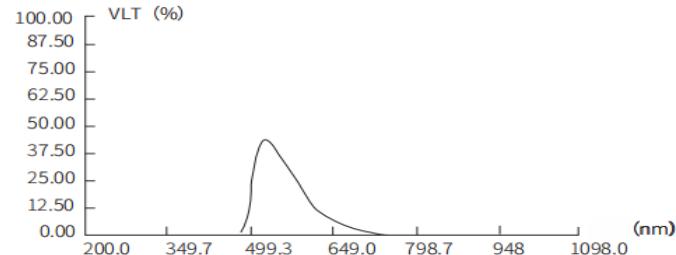
VLSG-UV-380



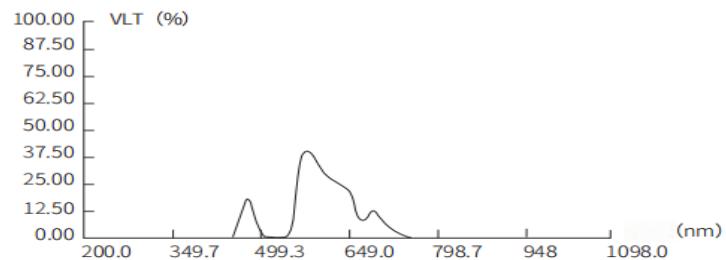
VLSG-IR-1700



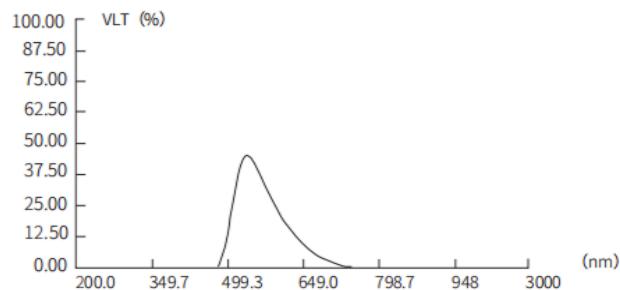
VLSG-DIODE-810



VLSG-YAG-1320



VLSG-ER-2940



Service & Support

We are dedicated to delivering exceptional optoelectronic solutions to every client. From precision manufacturing and secure delivery to full-lifecycle technical support, we are here to ensure a seamless and reliable experience at every step.

1. Warranty Policy

Quality First, Worry-Free Operation

Warranty Period: We offer a **two-year** warranty service for all of our core optoelectronic products, effective from the date of shipment.

Coverage: We provide free repair or replacement services for malfunctions caused by material defects or workmanship errors under normal operating conditions.

Rapid Response: Upon receiving a warranty claim, we guarantee to initiate the assessment process within **24 hours** to minimize your equipment downtime.

2. Technical Support

Expert Team, Full-Process Guidance

Technical Consultation: Our team of senior optical engineers provides **24/7 online support** to assist with installation, commissioning, optical path alignment, and parameter optimization.

Scheduled Maintenance: We offer full-lifecycle maintenance recommendations, including firmware upgrades, optical component cleaning guidelines, and precision calibration services.

Training Services: We provide customized remote or on-site operational and safety training to ensure your team can operate the equipment efficiently and safely.

3. Logistics & Delivery

Precision Packaging, Global Reach

Professional Packaging: Given the fragile nature of optical instruments, we utilize industrial-grade shockproof, anti-static, and moisture-proof vacuum packaging to ensure zero damage during transit.

Logistics Partners: We partner with top-tier global logistics providers (**DHL / FedEx / UPS / SF Express**) to offer reliable shipping with real-time tracking.

Shipping Insurance: All shipments are fully insured to eliminate logistics risks.

4. Compliance & Certification

Strict Standards, Total Compliance

Quality Certification: Our manufacturing process is **ISO 9001 certified**, and our products comply with international standards such as **CE and RoHS**.

Export Compliance: "Committed to environmental responsibility, all our products comply with **RoHS 2.0** and **REACH standards**, ensuring safety and global compliance."

Explore Series

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 Get in touch with our team to explore configurations, request a quote, or learn more about customized solutions tailored to your needs.

Let us help you move science forward—faster and smarter.

[Get a Quote](#)



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