

LASER SHIELD WINDOW

YL-500 SERIES

Thank you for purchasing this product. Please read this manual carefully before using this product in order to use it safely and safely and to make full use of its features. Please keep it in a safe place after reading. Although this product is a laser-safety products, it does not guarantee that this product will reduce the possibility of eye or body damage.

1. Caution before use

This product is a product that has passed our quality standards. Although every effort has been made for the product, there is a risk that the product may be scratched or deformed during transportation, etc. Be sure to check in advance before using the product.

2. Application of this product

This product protects your eyes and body from the scattered light of the laser.
Check HP for detailed lens performance.

<https://www.yamamoto-kogaku.co.jp/safety/en/product/category03.php>



WARNING

- Please use a product suitable for the laser to be used. Using wrong way leads to serious accidents.
- The user needs to understand the risk of the laser used by him / her and select protective equipment suitable for the laser.
- Even when using laser protector, please do not look into directly the laser beam.
- There is a danger of unexpected laser irradiation due to the reflection, tilts and misalignments of installed optics and optical parts.
- Before use, to be sure to check the product for scratches and tears, melting marks, etc. In such cases, please discontinue to use.

3. Storing

- ① Handle the product so that it does not directly touch or scratch other objects or hard objects.
- ② After use, clean the product regularly to prevent dust etc. from adhering to the product and use it cleanly.
- ③ Do not use in direct sunlight, high temperature places, or places where organic solvents are used.
- ④ This product is made of acrylic resin. Please be careful when using it by sticking on glass or metal with adhesive, as it may cause deterioration or deformation. Also, do not use this product under conditions that may exceed 50 °C. The product may be deformed.

4. Cleaning

- ① When the products are stained with dirt, dust, iron powder and oil, you must wipe these products with soft cloth soaked in water.
- ② The resin part of this product may be deformed or broken depending on the type of organic solvent, acid and alkali. Do not use these chemicals for cleaning.
 - If these adhere, wash in the same way as ① above.
- ③ If disinfection is required, wipe the product with a soft cloth containing a disinfection alcohol. After wiping off the disinfection alcohol well, please use it.

5. Expiration date for use

In case of following situations, please change the product to new one without using it. It is dangerous as it may cause an accident, damage or eye fatigue.

- ① When laser light strikes and changes such as melting are observed.
- ② If this product has been confirmed to have a change in appearance such as scratches or cracks or a local discoloration.

6. Modification, repair, etc.

Do not attempt to modify or repair the product by yourself definitely, as it may cause damage or accident.

- ① Product remodeling, post-processing.
- ② Repair of damaged parts with adhesive etc.

7. Optical performance

<YL-500>

CODE NAME	COLOR/LUMINOUS TRANSMITTANCE (%)	APPLICABLE FOR LASER	WAVE-LENGTH (nm)	OPTICAL DENSITY (OD)
ARGON	ORANGE /60	EXCIMER	200-380	4<
		ARGON	488	4<
		HeCD	514.5	4<
YAG(SHG)	RED/15	ARGON	441.6	4<
		YAG(SHG)	488	6<
LASER DIODE	BLUE/7	HeNe	514.5	6<
		LASER DIODE	532	6<
Nd-YAG	GREEN/25	HeNe	632.8	5<
CO2	GREEN/60	LASER DIODE	760-850	5<
		NdYAG	1064	5<
		CO2	10600	10<

SIZE _____ mm × _____ mm

Manufacturer

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