

LASER SHIELD CURTAIN

CE YLC-1 Plus / YLC-2AL

1 General remarks

All persons staying in the danger zone of the laser radiation must shield the laser and use an appropriate protector. This product protects user from accidental exposure of laser radiation. This product meets the basic safety and health requirements of directive (EU) 2006/42/EEC, and harmonized standard EN 12254: 2010.



Note: Please check the CE declaration form from each page of the corresponding product at the following URL.
<https://www.yamamoto-kogaku.co.jp/en/ce/>

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. (For details, refer to "EN 60825-4: 2006, Annex B".)
- 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.

CAUTION

- Dazzling light may occur in the work area during laser processing. To avoid glare, it is recommended to use a suitable shading filter according to EN 169 in addition to the laser shading screen.

2 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.

3 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 This product is made of plastic resin, which might be deformed and damaged by the organic solvents, acid and alkalis. In case of removing these deposits, please clean in the same way with ①.

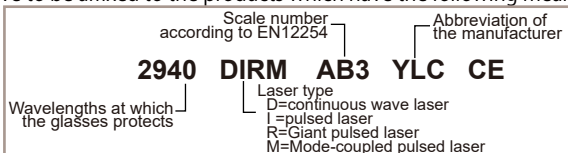
4 Expiration date for use

In case of following situations, please change the product to new one without using it.

- ① Bad condition such as scratches and cracks are found. Product changes such as melting by the laser light.
- ② After the product receives strong impacts even if it has normal appearance.
- ③ After exposing against strong light and high temperature, the change of color and deformation of the product might be found.
- ④ Three years later, the user should replace the product even under normal use and conditions.

5 Meaning of markings

In order to be able to use the glasses as intended, certain markings have to be affixed to the products which have the following meanings:



How to install

- ① Wipe the surface for stick the product.
- ② Please lightly wet the entire surface to be pasted by spray.
- ③ Paste the product on the wet surface.
- ④ Using a rubber roller etc. from the top of the product, push out water and air from the center to the edge.

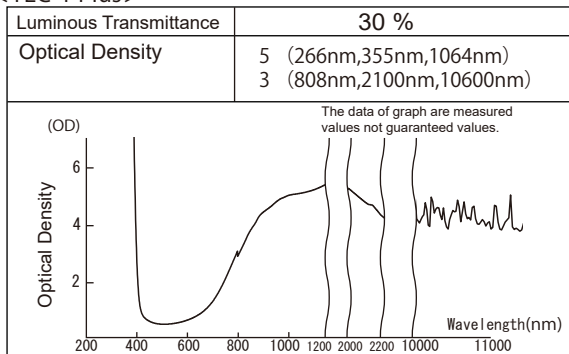
※ If the product peels off under its own weight, fix it with double-sided tape or etc.

6 Absorption curve

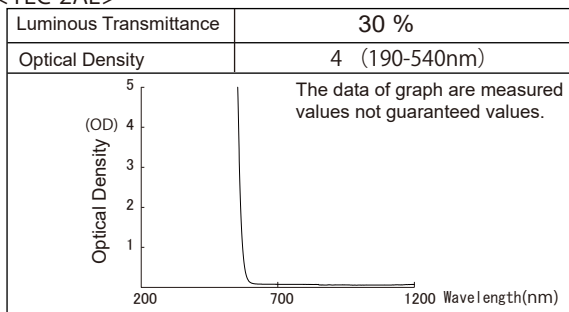
In the following the spectral characteristics of the filters is given:

Note: The data of graph are measured values not guaranteed values. When luminous transmittance is less than 20%, please increase lighting in the workplace. Depending on the type of filter, warning lights and warning notices might be difficult to read. Optical class 3 filters are not intended for long term use.

<YLC-1 Plus>



<YLC-2AL>



7 Field of application

This product protects user against scattered light and diffuse reflection of a laser beam and it gives the user the possibility to protect from the laser beam within a certain period of time (max. 100 sec resp. 1000 pulse). This product has following features:

In conformity to EN12254 CE:2010				
Product No.	Laser	Laser type	Wavelength	Scale number
YLC-1 Plus	Laser Diode	D	808nm	AB3
	Nd:YAG	D	1064nm	AB3
YLC-2AL	Nd:YAG(FHG)	R	266nm	AB3
	Nd:YAG(THG)	R	355nm	AB7
	Nd:YAG(SHG)	D	532nm	AB5
		R	532nm	AB4