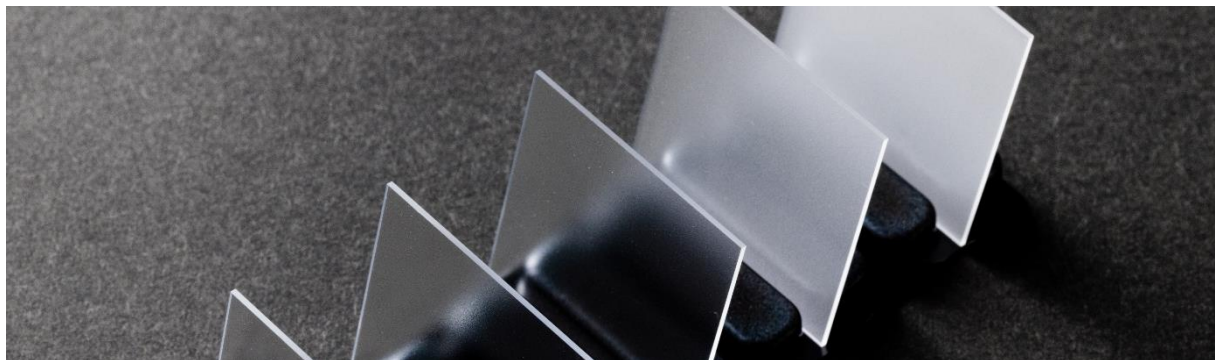


GLASS DIFFUSER

Optical diffusion plate made of glass

Yamamura Photonics' optical diffusers are made of glass, and therefore they are superior in light resistance, heat resistance, and transmittance compared to products made of resin. Our original surface processing technology provides fine irregularities on the surfaces of glass plates to enable the random diffusion of transmitted light through refraction. In addition, all of these products are processed at our factory. Therefore, the diffusion angle can be finely adjusted, and the light distribution can be controlled according to the application to reduce uneven brightness. Also, custom design support for shapes, optical coatings, etc. is available to meet your requirements, so please feel free to inquire.



● Features

High transmittance

We provide AR coating on both sides of the diffuser according to the request.
Transmittance specifications: 95% to 98%
※Depends on glass material, plate thickness and diffusion angle

Excellent heat resistance

Our glass diffusers have excellent heat resistance: 400°C (Pyrex type)
※Depends on physical properties of glass materials used

Superior light resistance

Because our optical diffusers are made of glass only, they are remarkably superior in light resistance to resin diffusers, making them ideal for applications requiring high light resistance, such as high-power lasers.

Custom design support

Diffusion angle (FWHM): Single-sided product/1 to 10°
Double-sided product/~ 17°
Shape: Square, circle, ellipse, sector, etc.

● Standard Sample

Material: Borosilicate glass

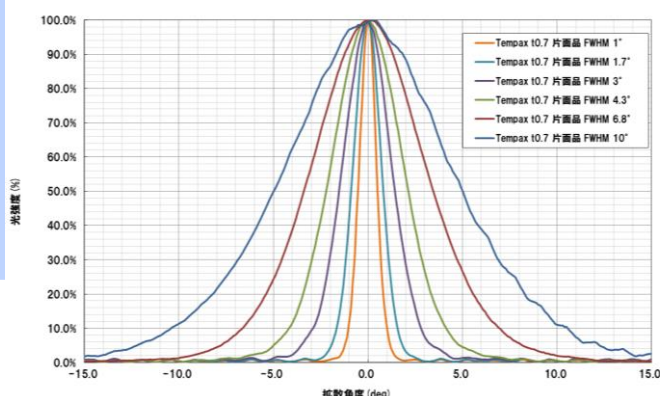
Size: □30mm

Thickness: t0.7mm

FWHM: 1°/3°/5°/10°/15°

AR coating: T>98%@445nm

※Measures value on the monitor board



Contact Information

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This products information is subject to changed or updated without notice.