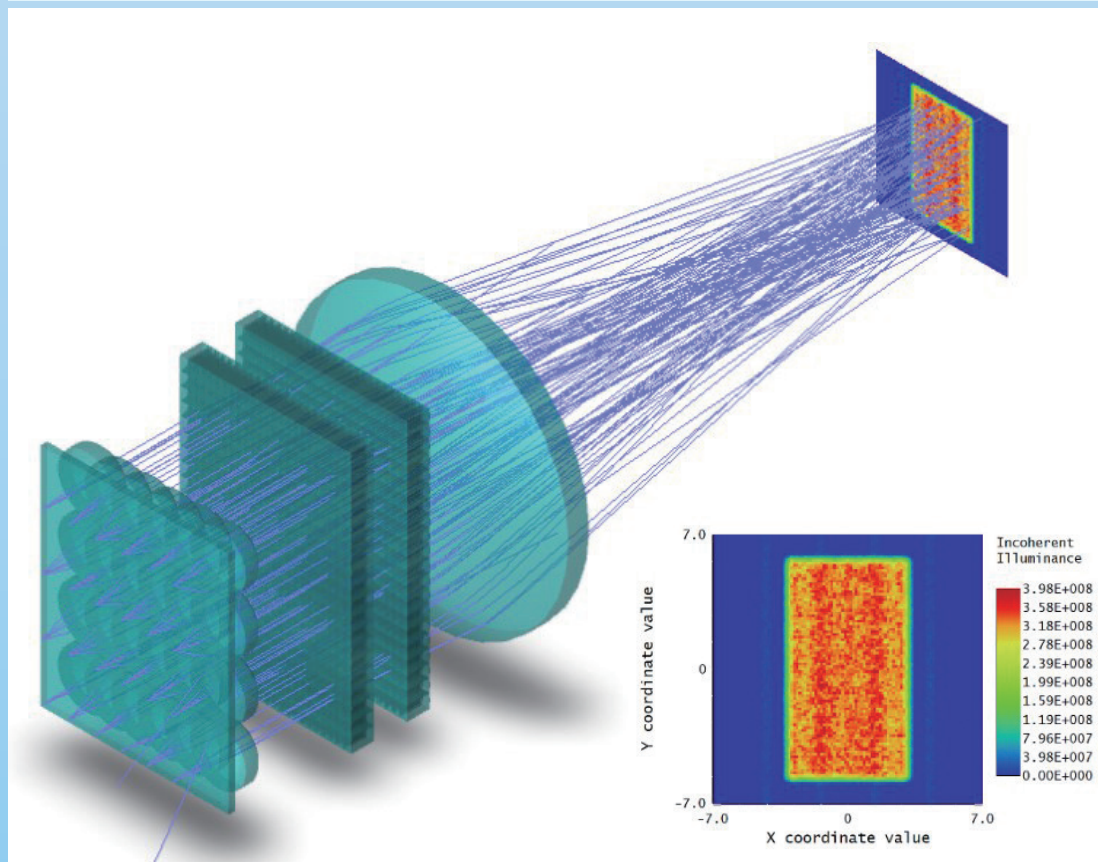


Optical Design Department

Optical Design Business

We accept inquiries from optical design consultation to lens production and module production.

[Case 1] Design to uniform lighting



[Case 2] UV germicidal light source module design and production



Measurement Consignment Business

We can handle consignment work for optical components using our equipment.

Melting consignment

Our facility : Clay melting pot, Quartz melting pot, Platinum melting pot
Melt amount : 100g ~ 100Kg
Melt temperature : ~ 1600°C



Inspection consignment

Our facility : Spectrophotometer, Contact/non-contact 3D measuring device, Image dimension measure device, Laser interferometer



Physical temper consignment

Our facility : Self-made air cooling tempering equipment

Coating consignment

Our facility : Oporun batch-type deposition coat equipment HOC-1300, Super AR 1300

Polish consignment

Process ability : Flat, spherical (concave-convex), CG to fine polish, centering



Optical Filter

UV transmitting filter

IHUseries

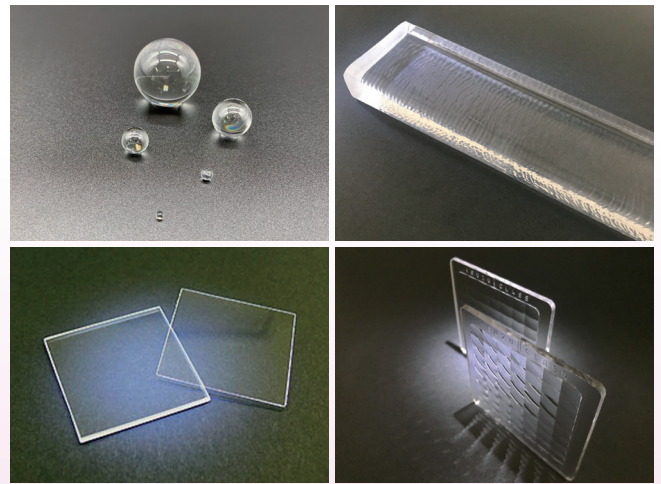
IHU250H, IHU150E

With transmission limit wavelength in the UV region, together with improved weather resistance against UV rays, this filter can be used as an alternative to quartz, and it can be a moldable glass material.

Molded lenses, ball lenses (preforms), ingots, filters, and various other shapes are available.



Lithography, analysis equipment, ultraviolet sterilization, UV-LED cover lens



Opal diffuser

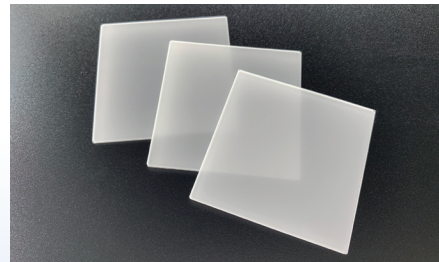
IOPseries

Our IOP diffuser has similar uniformity with Lampard light source. It has higher diffusivity than the frosted glass diffuser plate, and has extremely good light distribution and peculiarity.

The transmittance can be adjusted by adjusting the thickness, manufacturing conditions, etc.



Machine vision, illumination, medical equipment, microscopes



Optical Lens

Double-sides molded lens (Lensarray, aspherical lens)

The lens shape can be reproduced on both sides with a single molding. There is no need to adjust the distance between the lenses while using two lenses to uniform light.

Since it is not an adhesive product, it can also be used with high-power light sources such as lasers. If cell is micro-sized, it can also be used as a diffusion plate.

It can also be used for UV rays, we can produce from trial production to mass production.



Lithography, medical equipment (analysis equipment), Microscopes, 3D printers, head-up displays, projectors

