

FLYEYE LENSES (INTEGRATOR LENSES)

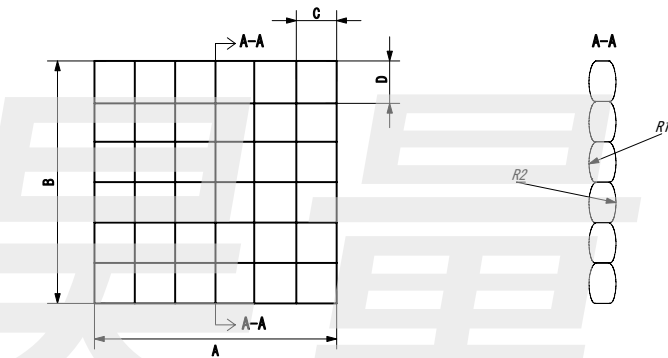
Fly-eye lenses, also known as integrator lenses, are used to make display images more uniform and are indispensable in front line industries such as semiconductor and flat-panel-display manufacturing.

Lens Material · Fabrication

We have the ability to work with diverse glass materials covering the entire spectrum from UV to far IR. We fabricate individual lens components, bond them into a single monolith using organic glue or solder glass frit, and finally vacuum deposit thin film coatings.

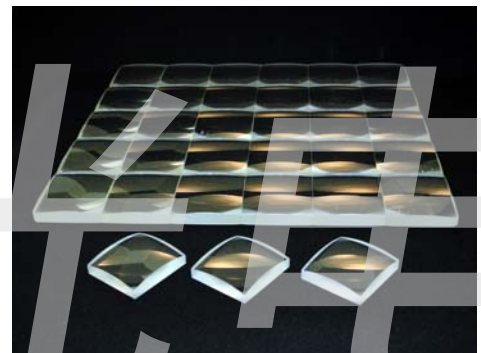
INDUSTRY / APPLICATION

Exposure System in Flat Panel Display/Semiconductor manufacturing.



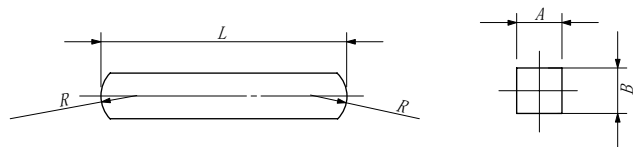
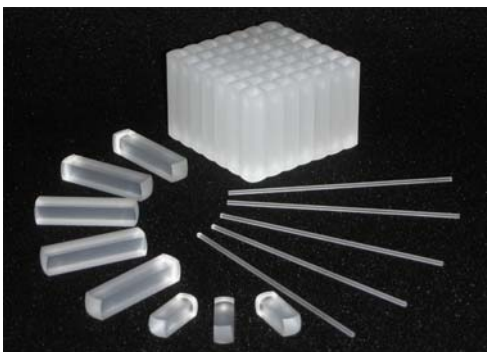
Specifications

- R : depending on your request
- A, B=20mm~600mm
- C, D =3.0mm~60mm
- Power : 5~10
- Material : Synthetic fused silica, BK7



- Number of lenses: 4~170
- Coating: AR coating
- Bonding method : with glass frit or UV curing adhesives
(BK7 is not bonded by UV cure bonding)

Integrator lens consists of drum lenses



Specifications:

- R : depending on your request
- A,B =0.7mm~20mm
- L =20mm~70mm
- Power: <5
- Coating: AR Coating
- method : with glass frit or UV curing adhesives
(BK7 is not bonded by UV cure bonding)
- Material : Synthetic fused silica, BK7