

## China ZnSe Focus Lens manufacturer

We are china focus lens supplier, focus lens are designed to minimize spherical aberration producing a minimum focal spot size for incoming collimated light.

In addition to the standard focal lengths listed below, Carmanhaas maintains an extensive inventory of test plates and tooling, resulting in no additional tooling charges for focal length fabrication.

Besides the plano-convex, meniscus, and aspheric lens shapes offered in this catalog, Carmanhaas routinely fabricates biconvex and negative focal length lenses upon request. As laser lens factory, our in-house optical engineers can design the component or optical system which provides the exact performance you require.



### Advantage

- High purity, low absorption material (body absorption less than  $0.0005/\text{cm}\cdot 1$ )
- High damage threshold coating ( $>8000\text{W}/\text{cm}^2$ ).
- Lens focusing reaches diffraction limit

Specifications	Standards
Effective Focal Length (EFL) Tolerance	$\pm 2\%$
Dimensional Tolerance	Diameter: $+0.000''-0.005''$
Thickness Tolerance	$\pm 0.010''$
Edge Thickness Variation (ETV)	$\leq 0.002''$
Clear Aperture (polished)	90% of diameter
Surface Figure	$< \lambda/10$ at $0.633\mu\text{m}$
Scratch-Dig	20-10

ZnSe Men or PO/CX Lens

Diameter (mm)	Thickness (mm)	Focal Length (mm)	Coating
12 / 18 / 19.05 / 20	2	25.4/38.1/50.8/63.5/75/100/127/190.5	AR/AR@10.6μm or AR/AR@9.2-9.7μm
25 / 27.94	3	25.4/38.1/50.8/63.5/75/100/127/190.5	
38.1	7.4 / 8 / 9	127 / 190.5	AR/AR@10.6μm
50.8	7.9 / 9.7	127 / 190.5 / 222.25 / 254	

## Installation Schematic



## Lens Cleaning

### 1. For light pollution (dust, fiber particles) were flexible cleaning.

Using a blowing balloon, Blow off scattered contaminants on the surface of the optical element.



### 2. For light pollution (stains, fingerprints) were flexible cleaning.

Propanol, acetone glue with a cotton swab or alcohol to gently wipe the surface.



### 3. For moderately polluted (saliva, oil) in moderate-intensity cleaning.

Infiltrating distilled white vinegar with a cotton swab, wipe the surface a little pressure.



## Packaging & Shipping

### Packaging 1



### Packaging 2



### Packaging 3



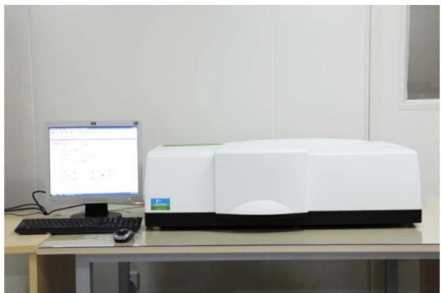
### Shipping 4







**TRIOPTICS OptiSpheric 2000 AF**  
 ---Testing EFL、R、Centering Error、Wedge Angle、BFL、MTF



**PerkinElmer Lambda 950**---Testing Transmission and Reflectivity



**Carmanhaas Coating Machine**

