

## 74-90-UV Right Angle Reflector

The **74-90-UV Right Angle Reflector** is a 3/8-24 threaded black anodized aluminum assembly for mounting collimating lenses at right angles, and is useful for applications involving limited space and inconvenient optical fiber routing.

### Application Tips

- The 74-90-UV Right Angle Reflector has a plane mirror located under its cap that reflects light from the collimating lens to 90°. This mirror is coated with a UV-enhanced aluminum substrate that is >90% reflective from 200-1100 nm.
- The 74-90-UV has two 3/8-24 threaded ports -- at top and bottom -- that accommodate collimating lenses. The top port has a 3/8" x 1" threaded nipple that can be removed for connecting to a male adapter.
- Using the 74-90-UV is easy. Screw in a collimating lens into a port and attach a fiber to the collimating lens.

### Specifications

Assembly material:	black anodized aluminum
Dimensions:	0.65" x .065" x 0.787" (LWH)
Mirror coating:	UV-enhanced aluminum
Mirror reflectivity:	>90% from 200-1100 nm
Threads:	3/8-24 (ports) 3/8 x 1" (nipple)

## 74-ACH Adjustable Collimating Lens Holder

The **74-ACH Adjustable Collimating Lens Holder** is a versatile assembly for mounting lenses at multiple positions, and is especially useful for transmission measurements of large or thick samples not easily accommodated by other sampling optics such as our FHS-UV and FHS-VIS In-line Filter Holders.

### Application Tips

- The 74-ACH consists of an anodized aluminum base and adjustable mount bars.
- Each bar has four 3/8-24 threaded holes, spaced 1" apart starting 1" from the top of the bar, to accommodate collimating lenses.
- The bars can be adjusted on the base by loosening two 10-32 threaded set screws with a 5/32" hex-head wrench (not included).
- The bars can be set far enough apart to accept samples up to ~10 cm thick.
- The base is scored at ½ cm intervals as a path length guide.

### Specifications

Assembly material:	base is blue anodized aluminum mount bars are black anodized aluminum
Dimensions:	base is 3" x 6" x ¼" thick mount bars are 1" wide x 0.3" thick entire assembly is 6" in height
Threads:	mounting bars accept 3/8-24 threads set screws for mounting bars have 10-32 threads (use 5/32" hex-head wrench to loosen)
Measurement bar:	has ½ cm gradations as path length measurement guide (total length is 10 cm)

## 74-OPM Optical Post Mount

The **74-OPM Optical Post Mount** is a 3/8-24 threaded black anodized aluminum assembly used for mounting collimating lenses on breadboard laboratory tables, rail carriers and other bench plates.

### Application Tips

- The 74-OPM Optical Post Mount has an 8-32 x 1/2" bore for mounting collimating lenses on breadboard laboratory tables, rail carriers and other bench plates. The 74-OPM is 1-1/2" in diameter and 0.4" thick, and can be used to mount lenses securely in place, in a variety of positions.
- Mount the Optical Post Mount onto a post for your laboratory breadboard or any other bench plate. Post and screw are not included.
- Screw a collimating lens into the Optical Post Mount.

### Specifications

Assembly material:	black anodized aluminum
Dimensions:	1-1/2" diameter x 0.4" thick
Threads:	3/8-24
Bore for mounting:	8-32 x 1/2"