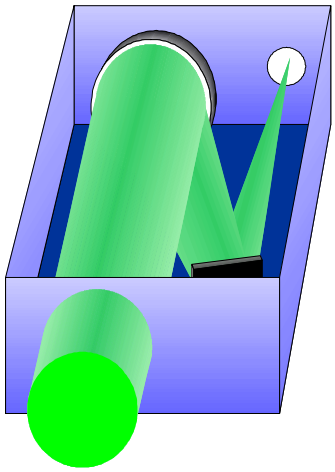
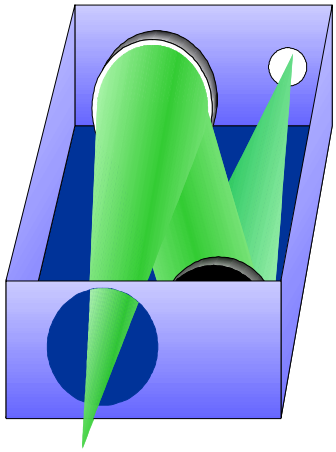
# Gooch & Housego

## OL Series 750-10
## All-mirror Optics Module

### Collimating

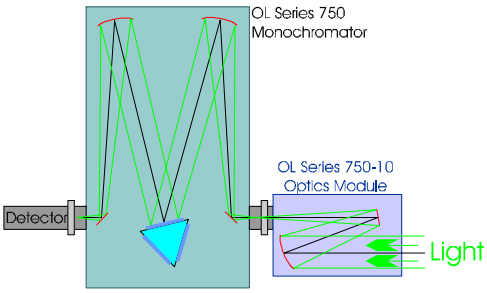


### Imaging

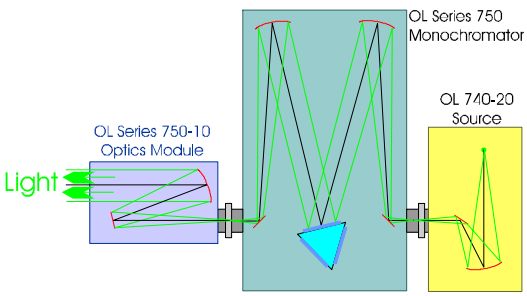


The OL Series 750-10 all-mirror optics modules interface with the OL Series 750 monochromators, matching input or exit beam profiles to a wide range of applications. Features include:

- **Available in collimating (OL 750-10C), imaging (OL 750-10 and OL 750-10SF) and transmittance/reflectance (OL 750-10TR) versions**
- **Efficient optical match to OL Series 750 monochromator systems**
- **Consistent performance over the entire 200 nm to 30 µm wavelength range**
- **Many of the problems associated with lens-based systems are eliminated**
- **Controllable collimation or image size**
- **Large diameter, highly uniform collimated beam profile**
- **Optional fiber coupling for hard-to-reach areas or added flexibility**




OL 750-10 module as input accessory




OL 750-10 module as exit accessory

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*As part of our policy of continuous product improvement, we reserve the right to change specifications at any time*

## OL 750-10C Collimating Module

**Typical applications:** Characterizing the spectral response of small or non-uniform detectors; detector irradiance response; characterizing spectral response and uniformity of CCD, CID and other array detectors; specular reflectance or regular transmittance, measurements of radiant or luminous intensity.

Beam size .....up to 2 inches (50.8 mm)
Collimation ..... 1 milliradian to 10 milliradian
Uniformity*.....± 0.2% over central 10mm diameter
.....± 0.5% over central 20 mm diameter
.....± 1% over central 30 mm diameter
.....± 2% over central 50 mm diameter

* = at 250 mm working distance, 10 milliradian collimation

## OL 750-10SF Imaging Module

**Typical applications:** Characterizing the spectral power response of uniform detectors; characterizing detector uniformity; regular transmittance of small areas., measurements of radiance or luminance.

Image size..... 0.5 mm to 5 mm
Magnification..... 1:1
Working distance (to housing)..... 0.7 inch (17.8 mm)

## OL 750-10 Imaging Module

**Typical applications:** Characterizing the spectral power response of uniform detectors; characterizing large detector uniformity; specular reflectance or regular transmittance of small areas, measurements of radiance or luminance, other applications where a long working distance is more important than small image quality.

Image size..... 1.5 mm to 5 mm
Magnification..... 1:1
Working distance (to housing).....8.75 inches (222 mm)

## OL 750-10TR Transmittance/Reflectance Module

**Typical applications:** Fixed angle specular reflectance of flat samples or variable angle regular transmittance. Sample holders and fixtures are included.

Sample size (reflectance or transmittance) .....2 x 2 x 0.25 inches (50.8 x 50.8 x 6.3 mm)
Reflectance incident angle ..... 9.75 degrees
Transmittance incident angle ..... 0 to 10 degrees

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