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60" Focal Length, 6" Schlieren System



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General

Note:

For an upgraded spot light, see our [Advanced Illumination MicroBrite Spot Lights](#)

Contents of Kit:

(2) Aluminized First Surface Spherical 6" dia., 60" FL, M8 Surface Accuracy Mirrors

Regulatory Compliance

Certificate of Conformance:

[View](#)

Country of Origin:

Product Details

- Ideal for Flame Analysis
- Includes Two Aluminized First Surface Mirrors
- Includes an Assembled Foucault Tester

Schlieren Systems include the determination of refractive index, wind tunnel research, fluid and air current flow, internal character of glass, flame analysis, sound velocity, and the mass of microscopic particles. Brightness variations on the screen will occur according to changes within the medium of the test area. A 35mm camera can be added to the system, enabling a photographic record to serve as a permanent reference. Schlieren Systems, in lower light intensities, may be better enhanced with a video camera and monitor combination. Using video, your results are enlarged, eye strain is reduced, and you can record your results by video printer or commercial video cassette recorder.

Each system contains 2 aluminized first-surface spherical $f/10$ mirrors (4 1/4" or 6" diameter) with $\lambda/8$ surface accuracy, overcoated with silicon monoxide and mounted in metal stands. Also included: light source, assembled Foucault tester, information, and instructions.

Looking for a Spot Light Upgrade?

Our Advanced Illumination MicroBrite Spot Lights can be integrated into your Schlieren System and are 25X brighter than standard spot lights, feature low power consumption, and a 50,000 hour lifetime.

[View Spot Light Upgrades](#)

Technical Information

Flame Analysis using 6" Schlieren System

