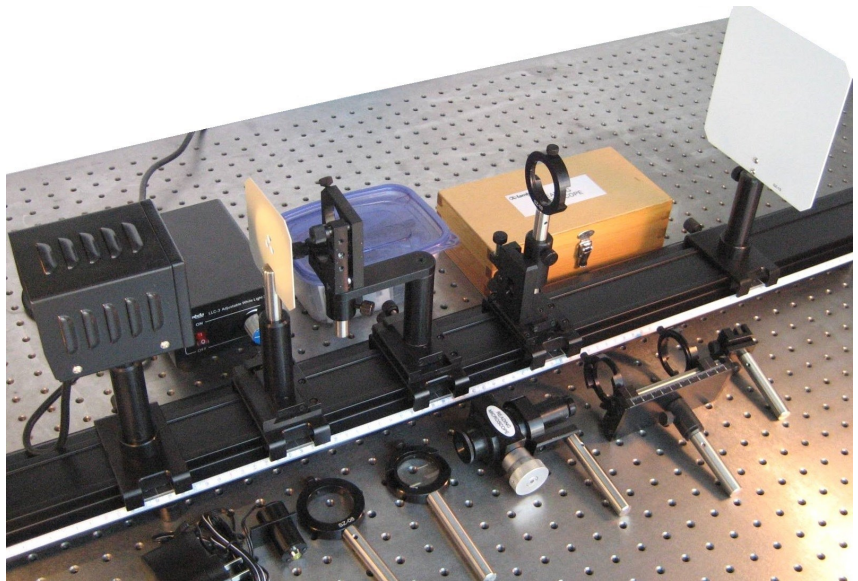


LEOK-4 Geometrical Optics Experiment Kit

- 9 fundamental experiments
- Cost effective solution
- Detailed instruction manual
- Easy alignment



This kit provides a complete set of optical and mechanical components as well as light sources, which can be conveniently assembled into setups to conduct experiments in geometrical optics.

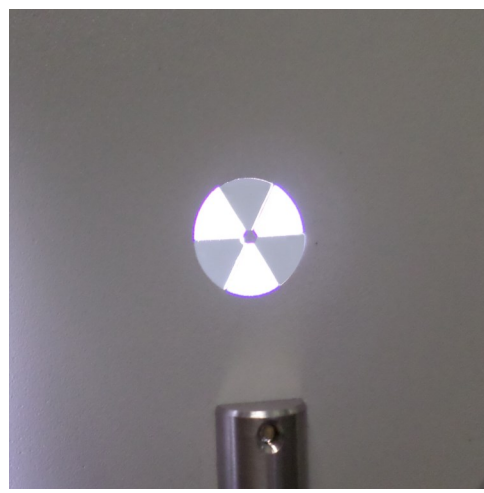
Through selecting and assembling the corresponding components into setups, students can enhance their experimental skills and problem solving ability.

Using this kit, the following experiments can be conducted:

1. Measure the focal length of a convex lens based on self-collimation
2. Measure the focal length of a convex lens based on Bessel method
3. Measure the focal length of a convex lens based on lens equation
4. Measure the focal length of a concave lens
5. Measure the focal length of an eyepiece
6. Measure the nodal locations and the focal length of a lens-group
7. Measure the magnification of a microscope
8. Measure the magnification of a telescope
9. Construct a slide projector

Specifications and Part List

| | | |
|----------------------------------|--|--------|
| Optical rail | 1 m; aluminum | 1 |
| General carrier | DGL-1-01A | 2 |
| X-translation carrier | DGL-1-02A | 2 |
| X-Z translation carrier | DGL-1-03A | 1 |
| Bromine-Tungsten lamp (variable) | LLC-3 (12 V/30 W) | 1 set |
| Kenematic holder | SZ-07 | 1 |
| Lens holder | SZ-08 | 2 |
| Adaptor piece | SZ-09A (with mount rings at both ends) | 1 |
| Lens group holder | SZ-28 | 1 |
| Microscope eyepiece | | 1 |
| Eyepiece holder | SZ-36 | 1 |
| Plate holder | SZ-12 | 1 |
| White screen | SZ-13 | 1 |
| Object screen | SZ-14 | 1 |
| Standing ruler with tripod | SZ-33 | 1 |
| Reticle | 1/10 mm | 1 |
| Millimeter | 30 mm | 1 |
| Biprism holder | SZ-41 | 1 |
| Lenses | $f = 45, 50, 100, -100, 150, 190$ mm | 1 each |
| Plane mirror | dia 36×4 mm | 1 |
| 45° glass holder | SZ-45 | 1 |
| Eyepiece | $f = 29$ mm | 1 |
| Slide show | | 1 |
| Small illumination lamp | LLC-6 (with 3 VDC adapter) | 1 |
| Magnetic base with holder | SZ-04 | 1 |



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Note: above product information is subject to change without notice.