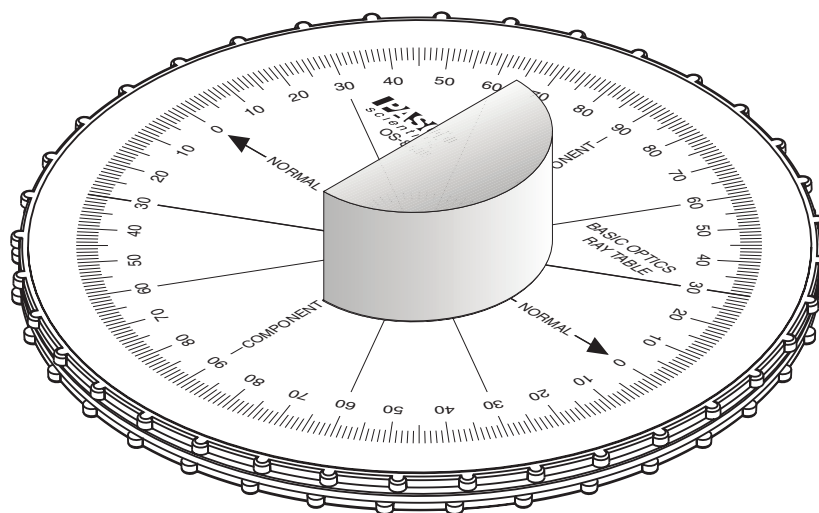


Ray Table

OS-8465



Included Equipment

Ray Table

Part Number

OS-8465

D-shaped Lens

OS-8492

Required Equipment

Basic Optics Light Source

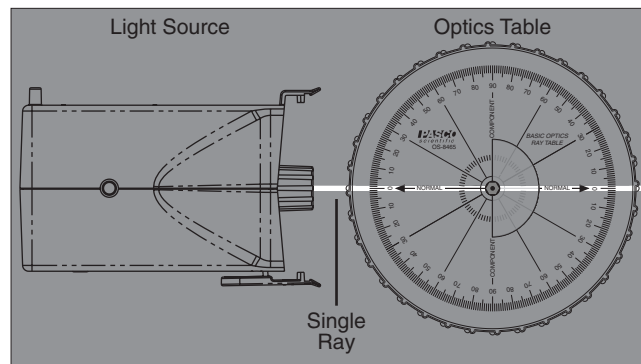
OS-8470 or similar

Equipment Setup

Set up a light source or ray box to project a single ray. Place the light source and the ray table close together on a lab bench or other flat surface. Position the light source so that the ray crosses the center of the ray table; rotate the ray table to place one of the 0° marks on the incident ray.

Introduction

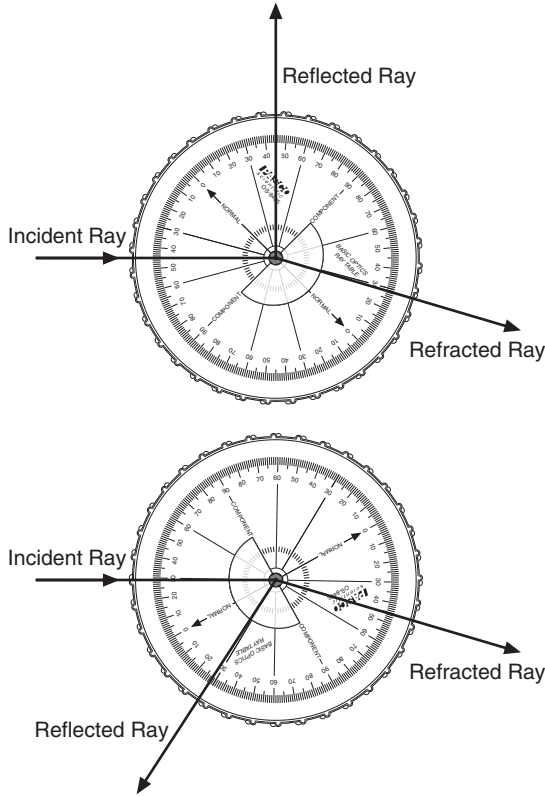
The Ray Table is designed for use with the included D-shaped lens (and other components) to measure angles of incidence, refraction, and reflection. To change these angles, you can rotate the upper half of the ray table while non-skid feet keep the base firmly in place. Pencil marks are easily erased from the table's white surface, so you can mark angles and trace rays directly on it.



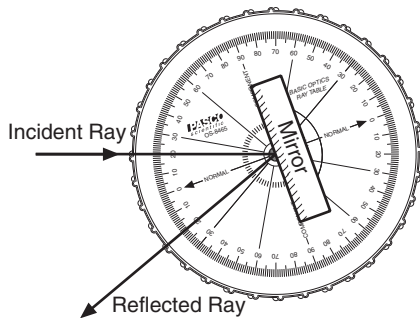
Place the D-shaped lens over the lens outline on the ray table. Note that the flat surface of the lens is aligned with the "Com-

ponent" line on the table, and the lens's curved surface is concentric with the table.

Rotate the table to change the angle of incidence and observe how the angles of the refracted and reflected rays change. If you look down through the lens, you can see that the rays are refracted only at the flat surface, not at the curved surface.



To use the ray table with a plane mirror, position the reflective surface of the mirror over table's "Component" line.



Specifications

Diameter	15 cm
Angular Resolution	1°

Technical Support

For assistance with any PASCO product, contact PASCO at:

Address: PASCO scientific
10101 Foothills Blvd.
Roseville, CA 95747-7100

Phone: 916-786-3800 (worldwide)
800-772-8700 (U.S.)

Fax: (916) 786-7565

Web: www.pasco.com

Email: support@pasco.com

Limited Warranty

For a description of the product warranty, see the PASCO catalog.

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