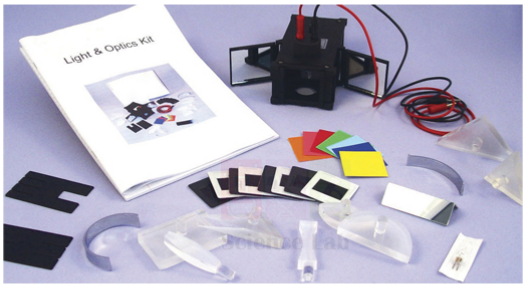
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Product Name :

Raybox Mirrored with Accessories

Product Code :

SLE/PHY/284



Science Lab

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Description :

Raybox Mirrored with Accessories (Product Code: SLE/PHY/284) is a ray box with a 12 V, 24 W lamp, used for reflection, refraction and colour-mixing experiments in school and college optics lessons. It produces a convergent, divergent or parallel beam, and an adjustable hinged mirror on the lateral aperture works with a triple aperture system for colour mixing. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Light source	12 V, 24 W lamp
Beam	Convergent, divergent or parallel
Parallel beam	Adjustable cylindrical convex lens at one end
Colour mixing	Triple aperture system at the other end
Lateral aperture	Adjustable hinged mirror
Apertures	All fitted with vertical channels to hold slit plates and colour filters
Applications	Reflection, refraction and colour-mixing experiments
Product code	SLE/PHY/284
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Mirrored Ray Box Used For?

The mirrored design adds colour work to ordinary ray optics. At the triple-aperture end, colour filters placed in the vertical channels give beams of different colours, and the adjustable hinged mirror on the lateral aperture can steer a beam so that coloured light overlaps on a white screen, a clear way to show how colours of light combine.

At the other end, the adjustable cylindrical convex lens sets up a parallel beam for tracing rays through blocks, prisms and mirrors, while the box can also give convergent or divergent beams for lens experiments. Slide slit plates into the channels to divide the light into single or multiple rays. Power the 12 V, 24 W lamp from a suitable low-voltage supply and let the box cool before handling the lamp; it is a versatile piece of optics lab equipment for one bench.

What to Specify When Ordering

- Number of ray boxes for the class.
- The slit plates and colour filters you need; we will confirm which accessories are included with the quotation.
- A low-voltage power supply for the 12 V, 24 W lamp, if you do not already have one.
- Spare lamps.

Supplier

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