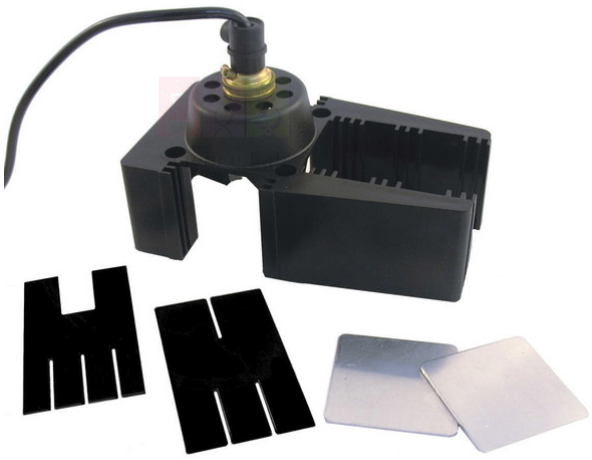
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Product Name :

Raybox, 12V

Product Code :

SLE/PHY/283



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Description :

Raybox, 12V (Product Code: SLE/PHY/283) is a 12 V lamp housing that produces narrow rays of light for reflection, refraction and lens experiments in school optics practicals. It has three openings, two of which can be used at the same time by two groups of pupils, and it comes with a 12 V, 24 W B15 bulb, bulb holder, slit plate, aluminium blanking plates and an instruction manual. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Openings	Three; two can be used simultaneously by two sets of pupils
Front opening	Seven grooves for accessories and lenses
Side openings	Two slots each, for blanking plates and 50 mm slide accessories
Ray control	Designed so that, with a biconvex cylindrical lens of 75 mm focal length, divergent or convergent rays are obtained through the slit plate
Bulb	12 V, 24 W, B15
Cable	2 m, with two 4 mm plugs
Supplied with	Cable, bulb, bulb holder, slit plate, aluminium blanking plates and instruction manual
Power supply	Not included
Product code	SLE/PHY/283
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the 12V Ray Box Used For?

A ray box turns a bulb into thin, well-defined beams that students can trace on paper, the foundation of ray optics. With a mirror, glass block or prism placed in the beam, pupils measure angles of incidence, reflection and refraction, find the critical angle and see how lenses bring rays to a focus. Only a minimum of accessories is needed to cover a wide range of optics experiments, which makes the ray box a core item of optics lab equipment.

Because two openings can be used at once, one box can serve two groups working on opposite sides, reducing the number of units a class needs. Run it from a separate 12 V supply, let the housing cool before changing the bulb, and dim the room lights slightly for the sharpest rays. The blanking plates close any opening that is not in use so stray light does not disturb the neighbouring group.

What to Specify When Ordering

- Number of ray boxes, remembering that one box can serve two groups.
- A 12 V power supply, since none is included.
-
-

Man

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