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Product Name :

Lenses Cylindrical Glass, Planoconvex

Product Code :

SLE/PHY/110



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Description :

Lenses Cylindrical Glass, Planoconvex (Product Code: SLE/PHY/110) is a converging cylindrical glass lens with one flat and one curved face, used to focus light and study refraction in physics optics practicals. Students and teachers use it to compare lens shapes and the effect of lens orientation, and it has a listed focal length of 75 mm. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, for school optics experiments.

Specifications

Parameter	Detail
Lens type	Planoconvex (converging), cylindrical
Material	Glass
Dimensions	50 x 45 (as listed; unit not stated)
Focal length	75 mm
Finish	Single, high quality precision finished lens
Packing	Individually pouched and supplied in a neat presentation case
Product code	SLE/PHY/110
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Planoconvex Cylindrical Lens Used For?

The flat back face makes this lens ideal for showing that orientation matters. Send parallel rays onto the curved face first and they converge to a fairly sharp line focus; turn the lens round so the flat face meets the light and the rays cross over a longer, more spread-out region. Students can record both ray patterns on paper and discuss why optical designers usually point the curved side towards parallel light.

The flat face also sits neatly against a glass block or plane mirror, so the lens can be combined with other components in ray-box experiments. Used with the biconvex and biconcave lenses of the same series, it rounds out a convex and concave lens set for school optics. Handle it by the edges and store it in its pouch and case.

What to Specify When Ordering

- Lens shape — planoconvex, biconvex or biconcave.
- Number of lenses required for each student group.
- Whether the whole three-lens series should be quoted together.

OEM Manufacturer

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