

Product Code . EL-PLE-10960

Light Box and Optical Set



Description

Light Box and Optical Set

A set of optical apparatus for all types of optical experiment involving reflection, refraction and colour mixing.

One end of the box has a cylindrical convex lens in an adjustable sliding mount which allows a parallel, convergent or divergent beam to be produced.

The principal component is a robust light box finished in Matt black with a 12V 36W S.B.C. axial filament lamp with 0.75m of twin flex.

All apertures in the box are provided with vertical channels to hold slit plates and/or colour filters.

The other end of the box has a triple aperture system for colour mixing experiments, the lateral apertures being provided with adjustable hinged mirrors.

Optical Accessories included:

Cylindrical Perspex lenses: 1 double concave, 1 double convex(both with the same radius curvature) 1 thick double convex.

Mirror: 1 plane glass(mounted on stand).

Perspex Blocks (Prism): 1 rectangular, 1 semi-circular, 1 triangular prism 60° x 60° x 60°, 1

triangular prism 90° x 60° x 30°, 1 triangular prism 90° x 45° x 45°.

Set of Eight Colour Filters: Primary red, primary green, primary blue, cyan, violet, yellow, orange, magenta.

Set of Eight Coloured Cards: Red, green, blue, violet, orange, cyan, yellow, pink.

Black Plastic Slit Plates : 1 with three narrow slits & one narrow slit, 1 with four narrow slits and one wide slit.

The set is supplied complete with a spare lamp.

Dimensions of light box 170 x 90 x 55mm.

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