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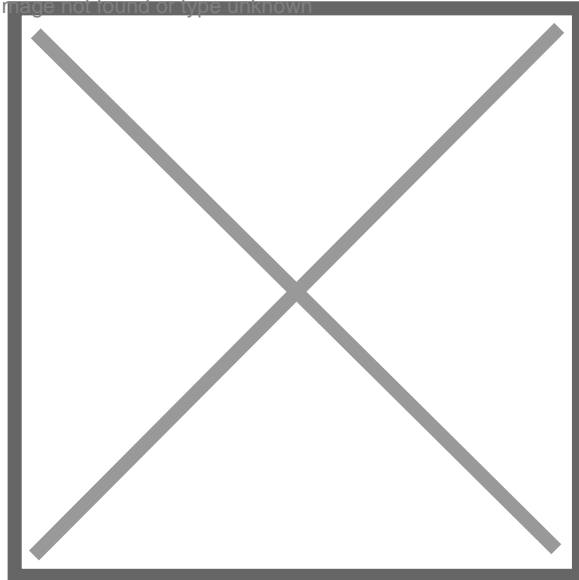
**Product Name :**

Light Box and Optical Set

**Product Code :**

SCI-1489/028

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## Description :

### DESCRIPTION :-

- A set of optical apparatus for all types of optical experiment involving reflection, refraction and colour mixing.
- The principal component is a robust light box finished in matt black with a 20W halogen lamp with 0.75m of twin flex.
- 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 other end of the box has a triple aperture system for colour mixing experiments, the lateral apertures have adjustable hinged mirrors.
- All apertures in the box are provided with vertical channels to hold slit plates and/or color filters.

### Optical accessories included :-

- Perspex blocks (prisms): One rectangular, one semi-circular, one triangular prism  $60^\circ \times 60^\circ \times 60^\circ$ , one triangular prism  $90^\circ \times 60^\circ \times 30^\circ$ , one triangular prism  $90^\circ \times 45^\circ \times 45^\circ$
- Cylindrical Perspex lenses: One double concave, one double convex (both with the same radius of curvature), one thick double convex
- Mirrors: One curved metallised plastic (parabolic), one curved metallised plastic (semi-circular), one plane glass (mounted on stand)
- Black plastic slit plates: One with three narrow slits and one narrow slit, one with four narrow slits and one wide slit
- Set of eight color filters: Primary red, primary green, primary blue, cyan, violet, yellow, orange and magenta
- Set of eight colored cards: Red, green, blue, violet, orange, cyan, yellow, pink