

# Essential Physics Light, Color & Optics Kit

Introduce your students to the science and technology of light including reflection, refraction, color, intensity, lenses, mirrors, real and virtual images, human vision, digital imaging, and the quantum theory of light.

This Optics System is a complete laboratory for learning about light, color, and optical technology. Three 50 mm optics mounts slide easily and then lock down with thumbscrews. The light source makes a perfect illuminated "object" for optics experiments, and the fixed spacing of the colored LEDs makes it easy to observe and measure image properties such as magnification, inversion, and brightness.

## Order Information

*Essential Physics Light, Color & Optics Kit*.....EP-3558

*Essential Physics Light, Color & Optics Teacher Resources*.....EP-6481

The Teacher Resources includes 12 lessons for Light, Color, and Optics and student assignments, interactive simulations and equations that reinforce the core principles and slide presentations and lesson plans for the instructor.

## This kit includes:

- 1.2 m Aluminum Dynamics Track (ME-9493)
- 50 mm optics mounts (3)
- Wireless Light Source (EP-3560)
- AC adapter/charger
- Refraction tank
- Triangular prism
- Phosphorescent plastic
- 50 mm convex lens - 10 cm f.l.
- 50 mm convex lens - 20 cm f.l.
- 50 mm convex lens - 50 cm f.l.
- 50 mm concave lens - 20 cm f.l.
- 50 mm convex mirror - 20 cm f.l.
- 50 mm concave mirror - 25 cm f.l.
- 50 mm screen
- 50 mm diffraction grating
- Eyeglasses
- Mirror
- Round Mirror
- Diffraction grating
- Clear Screen
- Gratnells® storage tray

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# Essential Physics Light, Color & Optics Kit

Includes the new Wireless Light Source!



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