

1. Lascells Planck's Constant Apparatus

Modern LEDs (light emitting diodes) cover the range from deep blue to infrared. By monitoring the voltage at which each LED just begins to emit light a graph of energy input as a function of light emitted frequency can be plotted and an approximate value of Planck's constant deduced.

The system is an excellent illustration of modern electronics and gives a good investigation into a difficult topic in post-16 physics. The LEDs are mounted in a self-contained box with voltage control and monitoring points for current and voltage. A protection resistor is included to prevent damage to the LEDs.

Complete with viewing tube but without power supply which should be approximately 5V D.C. from any laboratory source.

Code	Pack	Price
PY3118	Each	£69.91

2. Colour Mixing Apparatus

The kit comprises a robust upright case containing three high power accurately colour matched LEDs, each of which has infinitely adjustable brightness. Also supplied is a large free standing primary colour shadow mask, a hand held secondary colour mask and a 12V plug top power supply.

The system allows the teacher to project large primary and secondary colour mixing discs onto any vertical surface and to adjust the colour saturation to mix virtually any colour.

The unit is extremely easy to use, is easily transportable and comes with full instructions. The only other requirements are a white wall and a darkened/blacked out room.

The system may be used to demonstrate both secondary and primary colour mixing, colour shadows and colour reflection/absorption.

Code	Pack	Price
SE0P7000	Each	£92.81

3. Colour Mixing Apparatus

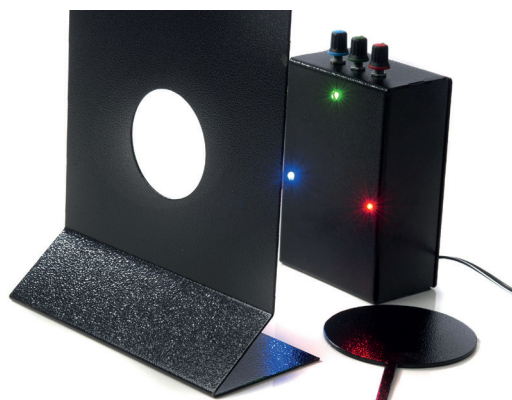
The science of light and colour is a fun topic which can be explored with this colour mixing table apparatus. The LEDs can be projected onto a piece of paper or wall depending on if you are doing a classroom demonstration or student group bench top experiments. This kit consists 3 LED Lamps that projects red, blue, green light. Each lamp is flexible and is connected to an individual knob that controls the brightness of the lamp. It comes fitted with a wall plug so a separate power supply is not required. Light projects approx. 10 - 15 feet. 10" x 16" base.

Code	Pack	Price
PHY1144	Each	£96.00

1  



2



ECONOMY

3 



CHEMICALS

BIOLOGY

CHEMISTRY

DATALOGGING

PHYSICS

A

B

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D

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