

Laser Ray Boxes

Laser Ray Box



The **Laser Ray Box** consists of five independent laser modules. The laser is very effective in the demonstration of light trace. It also effectively demonstrates the transmission of rays through a combination of optical elements. Five clearly visible parallel line light traces can be seen when they are collimated by cylindrical lenses. The **Laser Ray Box** is magnetized which enables it to be easily used in conjunction with the board, sheets and models from Ray Optics Demonstration Set and Ray Optics Demonstration PLUS Set. **Includes:** - battery box (2x1,5 V, AA size), mechanical shade

21-0301 Laser Ray Box w/o Power Supply
21-0302 Laser Ray Box with Power Supply

Laser type: Diode
Wavelength: 635nm
Output Power / laser class : $P_{max} < 1mW / II.$
Ray Distance: 18 mm
Dimensions: 112mm x 63mm x 31mm
Electrical requirements: Power: 3V DC / 300 mA

Laser Ray Box - Electronic

Laser Ray Box - Electronic increases comfort of geometric optics education. It uses all the advantages of Laser Ray Box and extra - for shading the beams it doesn't need the mechanical shade. The electronic switching enables it. With the help of ON/mode/OFF key on the Laser Ray Box - electronic - you can switch the modes. **Includes:** - battery box (2x1,5 V, AA size)

21-0311 Laser Ray Box - Electronic w/o Power Supply
21-0312 Laser Ray Box - Electronic with Power Supply



3-Beam Laser Ray Box - Electronic



3-Beam Laser Ray Box - Electronic - economic version of Laser Ray Box with 3 beams. It is possible to switch the beams electronically. Ray distance is 24 mm.
Includes: - battery box (2x1,5 V, AA size)

21-0331 3-Beam Laser Ray Box - Electronic

Green Laser Ray Box - Electronic

5 - beam **Green Laser Ray Box - Electronic**, increases comfort of geometric optics education. It uses all the advantages of Laser Ray Box - Electronic but it uses green laser light with 532nm wavelength. Human eye can see green laser light 3 times better than red 635nm laser light.

Laser type: YVO4

Wavelength: 532nm

Output Power/laser class: $P_{max} < 1mW / II.$

Ray distance: 18 mm

Dimensions: 144 x 84 x 22 mm

Electrical requirements: Power: 3V DC / 1A

Warm-up time: < 10 min.

Stability: <+-20%, 15°C-30°C

21-0321 Green Laser Ray Box - Electronic w/o Power Supply

21-0322 Green Laser Ray Box - Electronic with Power Supply



Laser Line Boxes

Laser Line Box



Like a **Laser Ray Box**, but with only one independent laser module. A battery box (2x 1.5 V, for battery size AA) and a DC connecting cable are included.

21-0501 Laser Line Box w/o Power Supply
21-0502 Laser Line Box with Power Supply

Laser type: Diode

Wavelength: 635nm

Output Power / laser class : $P_{max} < 1mW / II.$

Dimensions: 80mm x 25mm x 20mm

Power Supply requirements: 3V DC / 50 mA

Green Laser Line Box

Version of Laser Linhe box with green module. A battery box (2x 1.5 V, for battery size AA) and a DC connecting cable are included.

Laser type: Diode

Wavelength: 635nm

Output Power / laser class : $P_{max} < 1mW / II.$

Dimensions: 100mm x 25mm x 20mm

Power Supply requirements: 3V DC / 200 mA

21-0511 Green Laser Line Box w/o Power Supply

21-0512 Green Laser Line Box with Power Supply



21-2006 Power Supply 100 - 240V AC / 3DC - suitable for LRB, LLB, DL, GDL, Fresnel Mirrors, Laser LOS, Small Diode Laser