

5504 - Light, Colours and Vision

Order code: **5001.5504**



Cena bez DPH

682,00 Eur

Price with VAT

825,22 Eur

Parameters

Experiments and practices

Vědecké postupy

Contents:

- Knowing light
- Light sources and illuminated bodies
- Light transports energy
- Do rays of light really exist?
- Two characteristic of light
- Lighting
- Light reflection
- Light refraction
- Total reflection
- Total reflection prisms and optical fibres
- Physical nature of light
- Colours
- White light
- Light filters
- The colours of the object
- Additive colour synthesis
- Subtractive colour synthesis
- The colour of the sky and of the sun
- Lenses
- Pictures through lenses
- The eye and the sight
- Eyes' defects
- Binocular fusion and dominant eye
- The sense of depth
- Optical illusions

35 experiments

Supplied equipment:

- 1 Linear ruler
- 1 Dropper
- 1 Transparent slide
- 1 Diaphragm with square hole
- 5 Candles
- 1 Candle holder
- 1 Flat mirror
- 1 Pocket-size Spectroscope
- 1 Set of 3 primary colour filters
- 1 Set of 3 secondary colour filters
- 1 Laser device
- 1 Diaphragm with circular hole
- 1 Optical fibre
- 1 Optical prism with stand
- 1 Stereoscopic glasses
- 1 Colour composition device
- 2 Small cables
- 1 Solar panel with engine
- 1 Battery holder
- 1 Vision tube
- 1 Optical projector
- 1 Diaphragm holder
- 1 White screen
- 1 Converging lens
- 1 Diverging lens
- 1 Sphere with stand
- 1 Basin

- 1 Beaker, 100 ml
- 1 Colours chart
- 1 Stereoscopic figure
- 1 Experiment Guide
- 1 Small case