

Lens for laser module, line, 8mm

Product codes:

Reference: AM1971

EAN13: -

UPC: 90132000

Product features:

Appearance: Line



Product attributes:

Radiation angle: 5°, 15°, 20°, 30°, 36°, 45°, 60°, 90°, 110°, 120°, 130°, 160°

Product description:

High quality acrylic (PMMA) line lens with a diameter of 8 mm designed for creating a precise laser line at various angles. Ideal for laser modules, measuring instruments, positioning systems, DIY projects and industrial applications where precise and uniform line projection is required.

Technical specifications

- Material: PMMA (acrylate)
- Outer diameter: 8 mm
- Thickness: 1.5 – 2.2 mm (depending on angle)
- Point shape: A line (laser line)
- Projection angle: 5° – 160° (depending on variant)
- Material with high light transmittance and UV resistance

Functions and features

- Optical lens to expand the laser beam into a precise line
- High accuracy and clarity of the image without distractions
- Durable construction made of high-quality PMMA
- Easy integration into standard Ø8 mm laser housings
- Wide range of angles for different applications (5° to 160°)

Ideal for

- Laser modules and measuring systems
- Industrial alignment systems
- Laser cutters, markers and inspection equipment
- DIY projects and research applications

Product variants

- 5°, 15°, 20°, 30°, 36°, 45°, 60°, 90°, 100°, 110°, 120°, 130°, 160°

Package contents

- 1× PMMA line lens according to the selected angle

Why choose this product?

- Universal use for various types of laser modules
- Precision manufacturing and consistent quality
- A wide range of angles allows precise adjustment of line length
- Durability and long service life thanks to high-quality PMMA material

Information table

| Lens angle | Lens thickness (mm) | Line length at 1 m (mm) |
|------------|---------------------|-------------------------|
| 5° | 1.5-1.8 | 88 |
| 15° | 2.0 | 277 |
| 20° | 1.8 | 353 |
| 30° | 2.1 | 554 |
| 36.5° | 2.0 | 660 |
| 45° | 2.1 | 965 |
| 58° | 2.0-2.1 | 1109 |
| 60° | 2.1 | 1200 |
| 90° | 2.0-2.2 | 1931 |
| 100° | 1.85 | 2000 |
| 110° | 2.0 | 2856 |
| 120° | 2.1 | 3100 |
| 130° | 2.2 | 3300 |
| 160° | 2.2 | 8600 |

Product gallery:

