

Lens for laser module, line, 8mm

Reference: AM1971

EAN13: -

HS code: 90132000



Product attributes:

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

Product features:

Appearance: Line

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

- 1x 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