

Laser module red 650nm, line

Product codes:

Reference: AM5008

EAN13: -

UPC: 90132000



Product features:

Light color: Red

Wavelength: 650 nm

Voltage: 5 V DC

Cable length: 100 cm

Connector: 5.5x2.1 mm

Waterproof grade: IP20

Lifetime: 8,000 hours

Appearance: Line

Product attributes:

Radiation angle: 5°, 15°, 30°, 45°, 60°, 90°, 110°

Performance: 10 mW, 30 mW, 50 mW, 100 mW, 150 mW, 200 mW

Product description:

The 650nm red laser module is the ideal solution for applications where precise and clear line display is required. With selectable beam angles, it creates a sharp and clearly readable laser line, suitable for measuring and leveling systems, industrial applications and creative projects.

Technical specifications

- Wavelength: 650 nm (red)
 - Projection type: laser line
 - Beam angle: depending on the variant 5°, 15°, 30°, 45°, 60°, 90°, 110°
 - Optical power: depending on the variant 10 mW, 30 mW, 50 mW, 100 mW, 150 mW, 200 mW
 - Supply voltage: 5V DC
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- Degree of protection: IP20
- Operating temperature: –10 °C to +50 °C
- Body dimensions: Ø18 × 65 mm
- Power cable length: 100 cm

Functions and features

- Good visibility of the red laser indoors even in low light
- Sharp and even laser line projection
- Compact metal design suitable for fixed mounting
- Stable optical performance during long-term operation
- Simple power supply from 5 V DC source

Ideal for

- Industrial measuring and compensation systems
- Positioning and control applications
- Laser marking and reference lines
- DIY and technical projects
- Laboratory and development use

Approximate length of projection line

The table below shows the approximate lengths of the laser line depending on the beam angle and the distance of the laser module from the projected surface. The values given have a tolerance of $\pm 10\%$.

Beam angle	Line length at 1 m	Line length at 2 m	Line length at 3 m
15°	25 cm	52 cm	79 cm
30°	53cm	107 cm	160 cm
45°	82 cm	165 cm	248 cm
60°	115cm	230cm	346 cm
110°	285cm	571cm	857 cm

Package contents

- Laser module with 650 nm red laser

Why choose this product?

- Wide range of power options up to 200 mW
- Possibility to choose the radiation angle according to the application
- Precise and stable laser line projection
- Compact dimensions and easy integration into devices

Safety notice

Laser device. Never look directly into the laser beam or its reflection. Eye contact with the beam can cause serious eye damage. Wear protective glasses designed for a wavelength of 650 nm when working.

Product gallery:

