

# Laser module green 520nm, line

Reference: AM4479

EAN13: -

HS code: 90132000



## Product attributes:

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

Performance: 10 mW, 20 mW, 30 mW, 50 mW, 80 mW, 100 mW, 135 mW

## Product features:

Light color: Green

Wavelength: 520 nm

Voltage: 5 V DC

Cable length: 100 cm

Connector: 5.5x2.1 mm

Waterproof grade: IP20

Lifetime: 8,000 hours

Appearance: Line

## Product description:

The 520nm green laser module is designed for applications where a highly visible and precise line display is required. Thanks to the selectable beam angle, it provides a sharp and contrasting laser line, which is suitable for measuring and alignment systems, industrial automation, machine vision and creative projects.

## Technical specifications

- Wavelength: 520 nm (green)
- 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, 20 mW, 30 mW, 50 mW, 80 mW, 100 mW, 135 mW
- Supply voltage: 5V DC
- Degree of protection: IP20
- Operating temperature: -10 °C to +50 °C
- Body dimensions: Ø18 × 65 mm
- Power cable length: 100 cm

## Functions and features

- High visibility of the green laser even in normal ambient lighting
- Sharp and even laser line projection
- Compact metal design suitable for fixed mounting
- Stable performance during long-term operation
- Simple power supply from 5 V DC source

## Ideal for

- Industrial measuring and compensation systems
- Machine vision and positioning
- Laser marking and control lines
- DIY and creative projects
- Laboratory and development applications

## 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	160cm
45°	82 cm	165 cm	248 cm
60°	115cm	230cm	346 cm
110°	285cm	571cm	857 cm

## Package contents

- Laser module with 520 nm green laser

## Why choose this product?

- Excellent visibility thanks to the green wavelength of 520 nm
- Wide range of beam angles and power options
- Accurate and stable 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 520 nm when working.**

