

Laser Diode Collimator series 90CM/90CR

Collimator with large elliptical Gaussian beam profile



FEATURES

Collimator with large elliptical Gaussian beam profile

- Collimated beam diameters (truncated below the 13.5%-level) max. 17 mm
- Wavelengths 405 - 830 nm
- Laser powers up to 66 mW
- Angled version: 90 CR

DESCRIPTION

Laser diode collimators transform the divergent light of a laser diode into a collimated beam, while maintaining the Gaussian intensity distribution and the elliptical intensity profile.

The laser has integrated electronics for control of the laser output power. The output power can be controlled using the modulation input ports (TTL and analog) or manually using the potentiometer. Optionally the lasers can be equipped with [RS232 serial interface](#) for laser control and data read-out.

The collimation can be adjusted by using an eccentric key. Please note that this affects beam parameters like collimated beam diameter and beam divergence.

TECHNOTES

- [Electronic features \(9\)](#)
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[Overview over all Electronics Types](#)
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[Gaussian intensity distribution and uniform intensity distribution along the laser line](#)
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 - [Cable orientation](#)
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- [Machine vision applications of Laser Lines \(1\)](#)
[Laser triangulation, laser light sectioning, particle measurement etc.](#)
 - [Laser Diffraction Measurements](#)

ACCESSORIES

**SWITCHBOXES FOR
LASER MODULES**

**POWER SUPPLIES FOR
LASER MODULES**

9D-16

Screwdriver WS 1.6

RELATED PRODUCTS

**LASER DIODE
COLLIMATOR SERIES
LNC-91CM/LNC-91CR**

- Collimator
- **Large elliptical** Gaussian beam profile
- Low noise

**LASER DIODE
COLLIMATOR SERIES
55CM/55CR**

- Collimator
- Elliptical Gaussian beam profile

**LASER DIODE
COLLIMATOR SERIES
25CM**

- **Compact** Collimator
- Elliptical Gaussian beam profile

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