

Laser Diode Collimator series 95CM/95CR

Collimator with large circular Gaussian beam profile



FEATURES

Collimator with large circular Gaussian beam profile

- Collimated beam diameters (truncated below the 13.5%-level) max. 15 mm
- Wavelengths 635 - 830 nm
- Laser powers up to 3 mW
- Angled version: 95 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 circular 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 Electronics Types](#)
[Overview over all Electronics Types](#)
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- [Laser Line geometries](#)
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- [Intensity distribution](#)
[Gaussian intensity distribution and uniform intensity distribution along the laser line](#)
- [Laser Line length and working distance](#)
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- [Laser Line Width and Depth of Focus / Rayleigh Range](#)
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[When do they appear and how to prevent them](#)
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[What wavelengths are available for diode based laser modules?](#)
- [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-96CM/LNC-96CR**

- Collimator
- **Large circular** 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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CONTACT

For more information please contact:

Schäfter + Kirchhoff GmbH

Kieler Str. 212

22525 Hamburg

Germany

Tel: +49 40 85 39 97-0

Fax: +49 40 85 39 97-79

info@sukhamburg.de

www.sukhamburg.com

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