

[All Products](#) / [Lasers](#) / [Laser Sources](#) / [Compact LDM Focusable Laser Diodes](#)

[See all 16 Products in Family](#)

0.9mW 633nm, 100µm



1

€163⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	€163,00 each
Qty 10+	€155,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit



Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- Spec Sheets:pdf
- User Manual:pdf
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

Note: This item requires accessories for use | [Learn More](#)

General

Type:	Index Guided Diode, CW	Mean Time To Failures MTF @ 25° (hours):	≥30,000
Drive Circuitry:	Fully shielded, reverse polarity protected	Note:	Includes: Users Manual, Warning Label, and Focus Key
Type of Laser:	Diode	Laser Class - CDRH:	II

Physical & Mechanical Properties

Weight (g):	22.00	Pointing Accuracy (mrad):	≤10
Length of Leads (mm):	215.00	Length (mm):	34.00

Optical Properties

Wavelength (nm):	635.00	Wavelength Tolerance (nm):	±5
Wavelength Stability (nm/°C):	0.25	Beam Size at Nearest Focus (µm):	<0.550
Beam Diameter (mm):	5.00 at Aperture	Beam Divergence (mrad):	<0.5
Color:	Red	Focus Range (mm):	150mm - ∞

Electrical

Operating Current (mA): <0.530

Output Power (mW): 0.9 (Maximum)

Output Power Tolerance (%): ±5

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Hardware & Interface Connections

Power Supply: Power Supply Required and Sold Separately:
USA: **#59-099**
Europe: Not Available
Japan: **#59-099**
Korea: **#33-771**
China: **#59-099**

Power Requirement: 3.5 - 5 V DC

Electrical Leads/ Pin Connections: red (+), black (-)

Output Type: Free Space

Environmental & Durability Factors

Operating Temperature (°C): +10 to +45

Storage Temperature (°C): -40 to +85

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

Reach 240: **Compliant**

Product Details

- Circular and Elliptical Beam Options
- Bare Leads for Instrument Integration
- Focusable from 20mm to Infinity

Compact LDM Focusable Laser Diode Modules are self-contained and compact and offer a variety of features. They are an ideal replacement for a helium-neon laser in many applications and offer the benefits of superior durability, small size, and a range of wavelengths and powers. Elliptical output beams are produced using a user-adjustable glass focusing lens. Circular output beams are produced using a long focal length plastic lens and are suitable for long-distance and alignment applications. Compact LDM Focusable Laser Diode Modules applications include use as pilot beams for alignment, bar code readers, measurement, dimensional scanning, robotic control, target designation, positioning, and analysis. There is a focusing tool included with all diode modules. Line Generator attachments are available and sold separately for all diode modules listed. **Power Supply** is required for operation and is sold separately.

Note: The laser diode case is electrically isolated from the supply voltage.

Technical Information

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
--	-------	---------	--------------	-------	-----

€97,50

MORE+

16mm Heavy Duty Clamp

#72-821

Volume Pricing | Request Quote

1 In Stock

1



	Title	Compare	Stock Number	Price	Buy
MORE+	60° Cross Generator Optic for Compact LDM			€59,00	1 In Stock <input type="text" value="1"/>
MORE+	Line Generator Optic for Compact LDM Series 28				CONTACT US <input type="text" value="1"/>
MORE+	Line Generator Optic for Compact LDM Series 40°		#53-758	€74,00 Volume Pricing Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	Line Generator Optic for Compact LDM Series 60°		#53-759	€74,00 Volume Pricing Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	120° Line Generating Optic Compact LDM		#72-823	€59,00 Volume Pricing Request Quote	1 In Stock <input type="text" value="1"/>

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Frequently Purchased Together

 <p>#03-676 - 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder €106,00</p> <input type="text" value="Qty"/>	 <p>#32-490 - 25mm Dia. x 25mm FL, MgF₂ Coated, Double-Convex Lens €44,00</p> <input type="text" value="Qty"/>	 <p>#32-625 - 25mm Dia. x 50mm FL, MgF₂ Coated, Double-Convex Lens €43,50</p> <input type="text" value="Qty"/>	 <p>#32-748 - 10.0mm Diameter, N-BK7 Ball Lens €61,50</p> <input type="text" value="Qty"/>
--	--	--	---

Resources

Media Type

- Technical Tool
- Application Note
- Video
- FAQ
- Glossary
- Published Article
- Scientific Paper

<p>TECHNICAL TOOL</p> <p>Gaussian Beams Calculator</p>	<p>APPLICATION NOTE</p> <p>Gaussian Beam Propagation</p>	<p>APPLICATION NOTE</p> <p>Common Laser Types</p>
<p>VIDEO</p> <p>Understanding Lasers and How They're Used Every...</p>	<p>FAQ</p> <p>Can a laser beam be seen from the side?</p>	<p>FAQ</p> <p>What factors are involved in how well I can see a laser...</p>

[View More](#)

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: