

# Laser Diode Mounting Kits

## For Ø5.6mm and Ø9mm Laser Diodes — Complete Mounting System with Collimating Lens

If your work involves laser diodes, you'll appreciate the benefits of Optima's laser diode mounting systems. Components in the system facilitate mounting a laser diode, collimating or focusing the beam, and aligning the beam with other optics or electro-optical components. Optima's laser diode mounting kits offer a quick and cost effective solution for mounting a Ø5.6mm or Ø9mm laser diode. All of the mounting kits (except the LDM 1100) include the collimating lens, a black anodized aluminum housing, and the hardware required to mount your laser (the laser diode is not included). All of the collimating lenses are intended for use with laser diodes in the 635nm to 830nm range.

### Model Comparison and Specifications:

PART NUMBER	FEATURES AND ATTRIBUTES	X-Y ADJUST	COLLIMATING LENS TYPE	COLLIMATING LENS P/N	LASER DIODE BASE DIMENSION	HOUSING DIMENSIONS	PRICE
LDM 1100 KIT	Optical bench mount, no optics	no	Optics not included, use ADP 9056 KIT listed below		Ø5.6 & Ø9.0 mm	Ø25.3 x 10.4mm	\$52.60
ADP 9056 KIT <sup>(1,4)</sup>	Optics kit for LDM 1100 KIT	no	Lenses noted below (4), no laser diode mount included use LDM 1100 KIT listed above		Ø5.6 & Ø9.0 mm	Ø25.3 x 14.9mm	163.00
LDM 3300 KIT <sup>(3)</sup>	Small collimated beam	no	Glass Asphere	305-0464-780	Ø5.6 & Ø9.0 mm	Ø11 x 17mm	57.00
LDM 3400 KIT <sup>(1,2,3)</sup>	Aperture for beam shaping	no	Multi-element	336-1027-xxx	Ø5.6 & Ø9.0 mm	Ø12.7 x 18.5mm	77.40
LDM 3406 KIT <sup>(1,2,3)</sup>	Interchangeable apertures for beam shaping	no	Multi-element	336-1027-xxx	Ø5.6 & Ø9.0 mm	Ø12.7 x 18.5mm	93.25
LDM 3500 KIT <sup>(3)</sup>	Long FL lens for small beam at long distance	no	Glass Asphere	305-8045-780	Ø5.6 & Ø9.0 mm	Ø11 x 17mm	72.40
LDM 3700 KIT <sup>(1,3)</sup>	Best beam quality	no	Multi-element	336-1027-xxx	Ø5.6 & Ø9.0 mm	Ø11 x 17mm	70.30
LDM 3800 KIT <sup>(1,3)</sup>	Best beam quality	no	Multi-element	336-1027-xxx	Ø9.0 mm	Ø11 x 18mm	70.30
LDM 3900 KIT <sup>(3)</sup>	Good beam quality, smaller focused beam	no	Glass Asphere	305-0066-780	Ø5.6 & Ø9.0 mm	Ø11 x 17mm	57.10
LDM 4000 KIT <sup>(3)</sup>	Lowest cost	no	Plastic Asphere	300-0360-780	Ø5.6 & Ø9.0 mm	Ø11 x 17mm	45.70
LDM 4200 KIT <sup>(3)</sup>	Low cost, long FL lens for smallest beam at long distance	no	Plastic Asphere	300-0395-780	Ø5.6 & Ø9.0 mm	Ø11 x 25.5mm	52.60
LDM 4500 KIT <sup>(3)</sup>	Low cost, small collimated beam	no	Plastic Asphere	305-0380-780	Ø5.6 & Ø9.0 mm	Ø11 x 17mm	45.70
LDM 5000 KIT	Excellent beam quality, large dia collimated beam	yes	Multi-element	336-0965-780	Ø9.0 mm	Ø25.4 x 27mm	291.00

Notes: 1) Please specify collimating lens 336-1027-660 (for visible diodes) or 336-1027-785 (for near-infrared diodes).

2) The LDM 3400 KIT includes one aperture; the LDM 3406 includes 6 interchangeable apertures.

3) These kits are also available for Ø5.6mm laser diodes – the P/N changes to LDM 3356, 3456, 3556, 3756, 3956, 405,6 4256, and 4556.

4) The ADP 9056 KIT must be used with the LDM 1100 KIT. The ADP 9056 KIT includes the lens housing for both Ø5.6mm and Ø9.0mm laser diodes, mounting hardware, and three collimating lenses: 336-1027-660 or 336-1027-785; 305-0066-780; and 305-8045-780.