

LASER DIODE MODULES

CUSTOMIZED OR STOCK

BEA
LASERS



800-783-2321

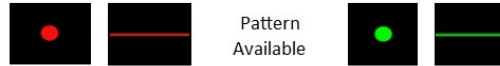
www.BeaLasers.com

MIL Series: BEA Lasers Ruggedized Industrial Laser Diode Module; Offered in Red or Green laser light. 1mW or 5mW output power in stainless steel housing. Includes 2 meter long PVC jacketed cable, connector from laser diode housing to cable, included 85Vac-264Vac DIN Rail switching power supply, and Dot, Line pattern standard, other patterns available at an additional cost.



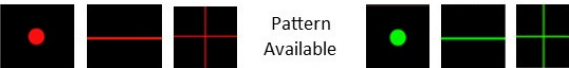
Pattern Available

MIL RA Series: BEA Lasers Ruggedized Industrial Laser Diode Module; Offered in Red or Green laser light. 1mW or 5mW output power in nickel plated brass 3/8" right angle housing. Includes 2 meter long PVC jacketed cable, connector from laser diode housing to cable, 85Vac-264Vac DIN Rail switching power supply, and Dot or line pattern standard, other patterns available at an addition cost.



Pattern Available

GPL Series: BEA Lasers General Purpose Laser Diode Module. Offered in Red or Green laser light, 1, 3, or 5mW output. The laser diode module is housed in a fully threaded clear zinc plated 2.5" CRS (cold rolled steel) 3/8" sensor style housing. Cable gland with a 2 meter long PVC jacketed cable included.



Pattern Available

SEN Series: BEA Lasers Industrial Laser Diode Module Red, offered in 1, 3 or 5mW laser. 1/8" NPT fully threaded 2.5" long, black zinc-coated brass tube (sensor type housing). 8mm threaded cable connector for reliable power connections. 2 meter long cable. Detachable brass end cap / optics holder.



Pattern Available

Micro SEN Series: BEA Lasers Industrial Laser Diode Module. Red, offered in 1, 3 or 5mW output power. 1/4"-36 fully threaded 15mm long brass tube (sensor type housing). 5mm threaded cable connector for reliable power connections. 1 meter long cable. Detachable brass end cap / optic holder.



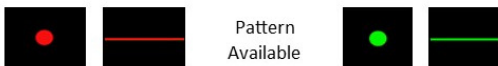
Pattern Available

IND Series: BEA Lasers Industrial Laser Diode Module; Red, or Green laser light offered in output powers of 1, 3 or 5mW. The heat sink housing is finned cast aluminum and powder coated black. Includes 2 meter long PVC jacketed cable, connector from laser diode housing to cable, and an 85Vac-264VAC DIN Rail switching power supply included.



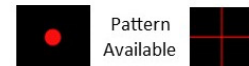
Pattern Available

LGR Series: Red or Green laser diode module: Available in, 1, 3 or 5mW laser output power. Fixed Focus, Plastic lens, Dot or line pattern. Line thickness; 4mm @ 5M, 3-5VDC operating voltage, 15-13mm stepped diameter x 29mm.



Pattern Available

160 Series: Red laser diode module. 1, 3 or 5 mW laser output power. Adjustable focus, Plastic lens, 3-6VDC operating voltage, Anodized Aluminum housing, 12mm diameter x 29mm length, Dot or Cross Hair optic.



Pattern Available

170 Series: Red laser diode module. 1, 3 or 5mW laser output power, Fixed focus, 4x8mm @ 10 meters, Plastic lens, 3-5VDC operating voltage, Brass housing, 7mm diameter x 21mm length, Dot optic.



M R 650-5 Series: Red laser diode module. <5mW, Class IIIa laser output power. Fixed Focus (17 inches), Glass lens, Dot / Line thickness Size: <0.5 - 1.0mm @ 17", 5VDC operating voltage, 10mm diameter x 30mm Length. Available in Dot, Line or Cross Hair optic.



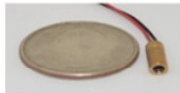
201 Series: Red laser diode module. Available in <1, 3 or 5 mW laser output power. Plastic lens, Operating voltage 3VDC, Powder coated brass housing, Lead length 250mm, 10.5mm diameter x 32.5mm length, Dot optic.



166-1-650: 650nm (red), Class II laser, <1mW output laser diode module, Fixed focus, Plastic lens, 3VDC operating voltage, Brass housing, 4.0mm diameter x 10mm length, Dot optic, Pin connectors



167 Series: Red laser diode module. <3 or 5mW laser output. Fixed focus, Plastic lens, 3VDC operating voltage, Brass housing, 4.0mm diameter x 10mm length, Dot optic, Flying leads.



BEA-328-5D Yellow Sub: BEA Lasers Ruggedized Industrial Laser Lever; Red laser lever. <3mW laser output power. Aluminum housing. Heavy duty magnets for mounting. Batteries included. Bubble lever for positioning, 75mm x 33mm x 20.5mm, Dot or Line optic.



150 Series: Red laser diode module. 1, 3 or 5mW laser output power. 3 element glass lens, adjustable focus, Beam size, 15.7cm @ 1 meter, 3-6VDC operating voltage, Anodized Aluminum housing, 12.7mm diameter x 51mm length, Dot or Cross Hair optic.



OEM Lasers Designed to Meet or Exceed Your Application Requirements

Working within your requirements is what BEA Lasers does best. We just need a few simple questions answered:

1. Wavelength option: 635, 650nm (Red), 520, 532nm (Green), 405, 445nm (Blue) 850nm (IR)
2. Optical output power: Up to 300mW
3. Working voltage: 3, 5, 6, 12, 24VDV
4. Dot, Line, Cross Hair
5. Laser pattern
6. Working distance
7. Beam size at working distance
8. Housing size requirements
9. Continuous wave, modulation, variable output
10. Fiber coupled laser: 105, 125, 170, 200µm (fiber core)
11. Quantity and price

With your approved laser design, BEA Lasers will manufacture a high quality laser to spec for your evaluation and approval. BEA Lasers works with the end user to come in on budget and on time with a high quality laser. BEA Lasers looks forward to working with you to design a laser to fit your application.

BEA-328-11D Yellow Torpedo: BEA Lasers Ruggedized Industrial Laser Level; Red laser lever. 3mW laser output power. Aluminum housing. Heavy duty magnets for mounting. Batteries included. Bubble lever for positioning, 128mm x 22mm x 275mm, Dot or Line optic.



3 Power Supply Options



BEA offers 3 different power supply options. The standard is a 3V DIN rail or panel bracket mounted 120-240V input supply. The same supply is offered in an IP67 rated plastic enclosure. If you do not have a convenient location to mount the DIN rail supply, this is an excellent choice. A third supply 12-24 volt input and 5 volt output is perfect for low voltage portable applications.

Typical Applications:

Alignment

Positioning

Drilling

Event Detection

Edge Detection

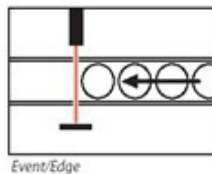
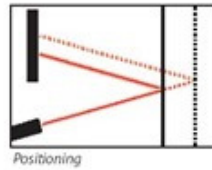
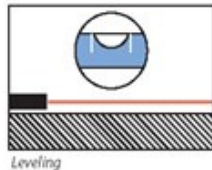
Security

Sawing

Vision Systems

Robotic Control

Leveling



Mounting Bracket Options

BEA offers multiple straight, right angle and adjustable brackets that will mount most of the products we sell.

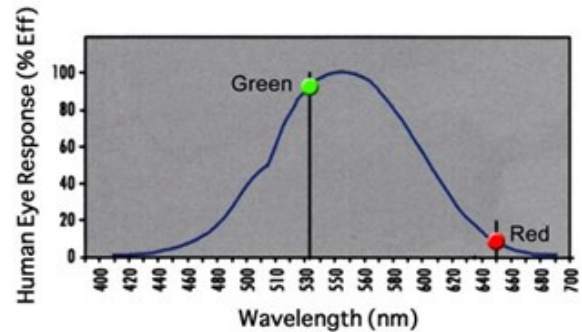
Green Vs. Red Laser How to Choose

Light from green lasers is 7 times more visible to the human eye than red laser light!

If you have high ambient light conditions, green laser diode modules are the choice for you.

Green laser light is significantly brighter than red laser light. All other factors being equal, the unaided human eye will perceive green laser light as 7 times brighter than the common red laser (at 650nm). Green lasers are being adopted as a replacement for red lasers. Along with increased visibility, many OEMs are enjoying the benefits of offering green lasers as a premium option.

BEA's Laser Diode Modules are factory-set to FDA-Approved Power Levels to comply with Section 21 DFR Part 1040.10-11.



RUGGEDIZED LASER DIODE MODULES

Perfect For:
 Drilling | Welding | Riveting
 Bending | Cutting | Punch Press
 Alignment | Positioning

Available Optics:



Line



Dot



Crosshair



Target



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