

Z-BOLT[®] MARK-1ir Infrared Training & Signaling Laser

The MARK-1ir Infrared Laser is "Armed" when the battery is installed and begins lasing upon operation of the constant On/Off switch. LED Indicator is lit.

USE SAFELY WITH NIGHT VISION OPTICS

To engage Power Lockout, turn switch 1/4 turn counter clockwise, disabling the constant On/Off switch, and disconnecting power. If in doubt, always point the aperture of the laser toward the ground before testing batteries or switches using night vision optics.



Safe Training OPS | Tactical Team Comms

The MARK-1ir Infrared Training & Signaling Laser will easily reach 1,000 meters when paired with a Gen3 night vision optic for the civilian, military, or law enforcement professional. THE perfect device for Eye-Safe field training (No LEP) or night OPS that might potentially expose civilians or team members to otherwise harmful laser radiation and eye injuries.

EYE - SAFE

FDA APPROVED & LEGAL FOR CIVILIAN SALES

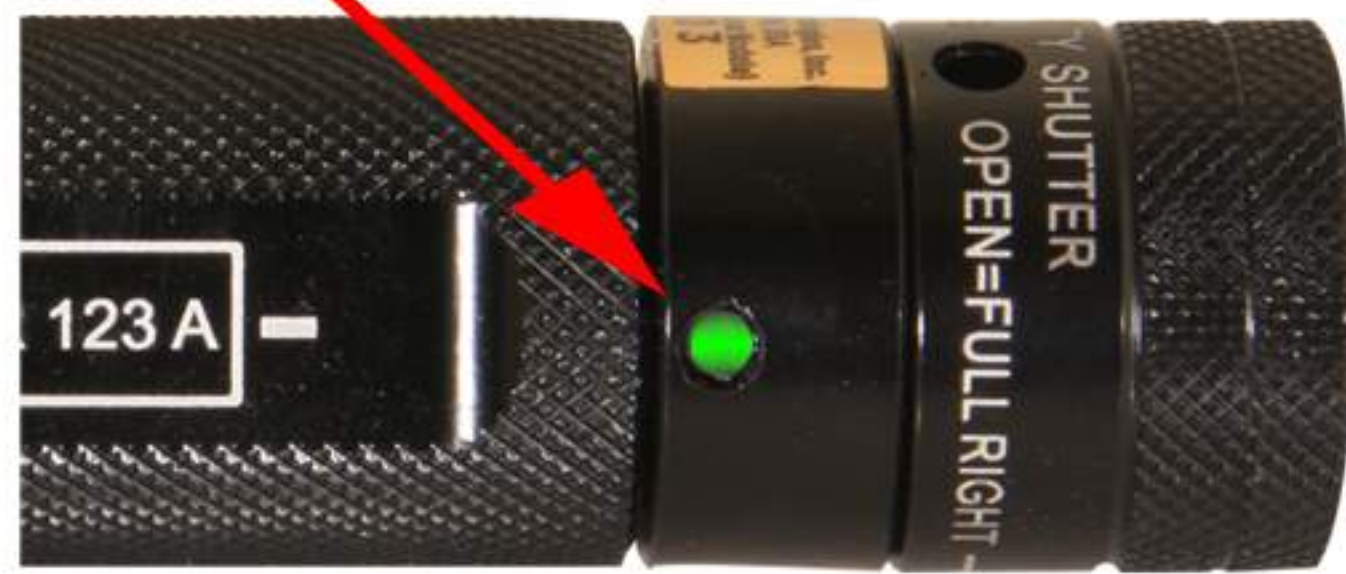
Reduce Radio Chatter
Minimize Operational Mistakes
Improve Situational Awareness
Precise, Visual, Non-Verbal Comms

NOHD = 0



Laser Fire LED Indicator

When this LED is lit, infrared laser is firing constant on.



"Covert" Aperture Shutter

Turned left until stop, shutter is closed
Turned right until stop, shutter is open



Precision Visual Comm
Using Night Vision Optics

Designed for Intense
Field Duty:

Water Resistant
Shock Resistant
Constant On/Off
Lightweight
Power Lockout



Qty 1:
Retractable Gear
Cable Tether

Battery Installation



Unscrew switch counter clockwise. Insert Qty (1) 3V lithium battery with (+) tip toward switch.

Battery Power Lockout Operation

Battery POWER OFF:

Switch 1/4 turn counter clockwise from stop.
On/Off switch disabled.

Battery POWER ON:

Switch installed turned clockwise until it stops.



SAFETY Components

Constant On Off
Push Button

Power Lockout

Z-BOLT[®] MARK-1ir Box Contents

Qty 1: MARK-1ir
Infrared Laser Pointer

Qty 2: CR123A 3V
Lithium Battery 1500 mAh



Spare
Battery



Qty 1
SMP-10
Modular Pouch

Z-Bolt[®] MARK-1ir SPECIFICATIONS

Tactical Infrared Training Laser (MARK-1ir) Wavelength 830 nm
Output Power - <0.7mW, NOHD = 0m (Visual Range - 1,000m)
FDA Accession # 1910498-000
FDA Safety Class 1 - Certified "EYE-SAFE"
Output Mode - Constant Wave, Operating current <20 mA
Battery Runtime: 75 hours, 1pc CR123A, 1500 mAh
Power Source - Qty 1 CR123A Lithium Battery, Included, 3V DC
Beam Diameter at Source <10mm @5m, Beam Divergence < 2.0 mRad
Optimum Operating Temperature - 0° ~ 40°C (32° ~ 104°F)
Switches (1) Constant On/Off Tactile, Power Lockout Functionality, Lanyard Loop
Laser Aperture: Mechanical "Covert" Safety Shutter, Twist Open/Closed
Weight - 118 grams (4.1 oz) with Switch and 1 pc CR123A Lithium Battery Installed
Body Tube Material - T6061 Aluminum Alloy
Surface - Anodized Black Matte Finish, 1" Knurled Power Tube

Overall Dimensions -
Length 130mm x Diameter 25.4mm
Warranty - 2 Years from Date of Purchase

Laser Product Safety, LLC
www.laserproductsafety.com



Parts, Accessories,
Batteries, Rail Mounts:
Primary Contact:

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Z-Bolt® Laser Devices Forensic Light Sources

Laser Line Generators, Green or Infrared Variants



36° Fan Angle
15' Line Length @ 15'



LINE FLUORESCENCE

Illuminate & Fluoresce Trip Wires
Laser Beam Fan Angle - 36°
Power Lockout Functionality
Constant On/Off Switch
Lanyard Loop

Use Only With Night Vision Optics - Civilian Legal!

Multi-Function Dot & Line Trip Wire Illuminators



36° Fan Angle
15' Line Length @ 15'



LINE FLUORESCENCE

Twist Head for Dot or Line Function -
Green or Infrared Variants . . .



Use Only With Night Vision Optics - Civilian Legal!

Field Utility Laser Pointers - Reduce Operational Errors



Precise Non-Verbal Communications

Red
Blue
Infrared
Green

Hand-Held FDA Class 1
Civilian Legal & EYE-SAFE
FDA CLASS IIIa & ANSI 3R
Dot & Beam Laser POINTERS

Forensic Imaging Lasers



400mW Green Laser
10W Blue LED Light
2x Filtered Glasses
Battery Charger + Batts
Optical Cleaning Kit
Injection Molded Case

Blue & Multi-Color LED Lights



Z-Bolt® Forensics - Alternate Light Sources

Call or Email for Details: 503-867-1617 John@Z-Bolt.com