

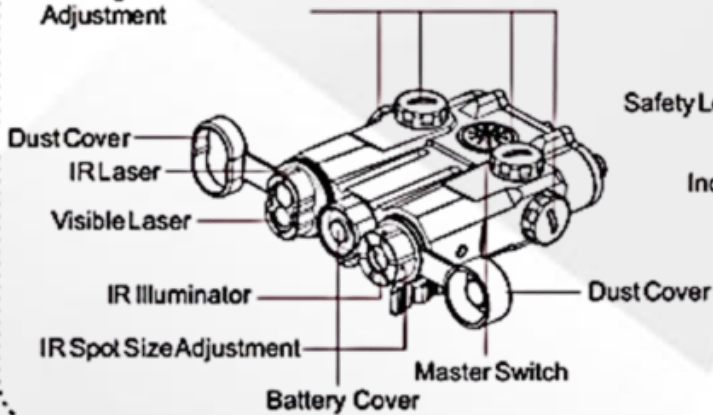
# WEAPON LIGHTS & AIMING DEVICE



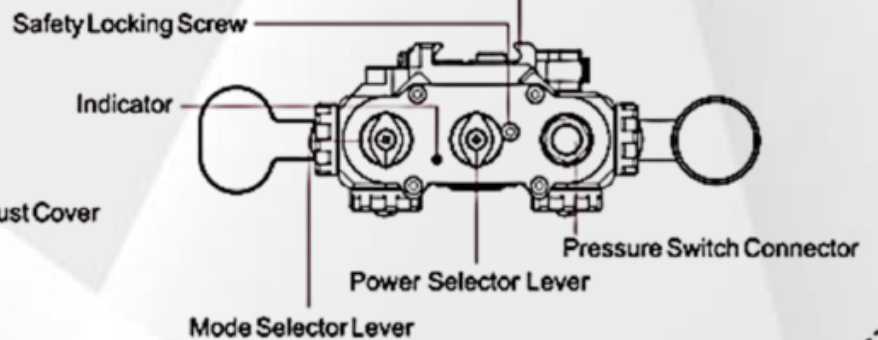
# MULTISPECTRAL AIMING DEVICE



## Windage and Elevation Adjustment



## Picatinny Mount(Quick Release)



The Multi spectral Aiming Device is a compact, small, lightweight, easy to-use aiming system with integrated infrared and visible aiming lasers and an infrared illuminator. It's a ruggedized equipment to military environmental standards for use on small arms and crew- served weapons.

## FEATURES

- ✓ Co-aligned visible and infrared lasers
- ✓ Hardened for use on small arms and crew-served weapons
- ✓ Integral Rail-Grabber™ interface
- ✓ Retains zero within 0.5 mrad
- ✓ Meets military environmental specifications







Due to ongoing R&D & product improvization, specifications , pictures & features of the product are subject to change without any notice .



# Made in India with technology from Canada



## DATASHEET: B-MSAD-502

<b>Dimensions:</b>	< 120 X 45 X 45 MM ( L x W x H )
<b>Weight:</b>	345 grams with rechargeable Lithium battery
<b>Battery Type:</b>	One x 3.7V Lithium
<b>IP Rating:</b>	IP 68 ( 20 mtrs @ 1 hour )
<b>Quality certification:</b>	CE, FCC, Rohs
<b>Environmental std:</b>	JSS: 55555 , MIL 810F
<b>Op. Temperature:</b>	-35 deg C to 75 deg C
<b>Mounting:</b>	Piccatiny Rail MIL Std 1913
<b>Remote Switch:</b>	Cable remote switch for On/ off
<b>Indicator:</b>	Low Battery & ON

<b>Visible Aim Laser</b>	<b>Specifications at 25 °C (77 °F)</b>	<b>Safety Class</b>
Output Power	5.0 mW (max)	3B
Beam Divergence	0.5 (± 0.3/- 0.39) mrad	
Wavelength	635 (± 15) nm	
Battery Life	> 120 hrs. in Dual High at 25 °C (77 °F)	
Boresighting	Can be boresighted	

<b>IR Aim Laser</b>	<b>Specifications at 25 °C (77 °F)</b>	<b>Safety Class</b>
Output Power Low	700 uW	3R
Output Power High	27.5 mW (max)	3B
Beam Divergence	0.5 (± 0.3/- 0.39) mrad	
Wavelength	835 (± 15) nm	
Battery Life	> 120 hrs. in Dual High at 25 °C (77 °F)	
Boresighting	Can be boresighted	

<b>IR Illuminator</b>	<b>Specifications at 25 °C (77 °F)</b>	<b>Safety Class</b>
Output Power Low	3.5 mW (max)	3B
Output Power High	45 mW (max)	3B
Beam Divergence	Adjustable from approximately 1 mrad to > 105 mrad	
Wavelength	835 (± 15) nm	
Battery Life	> 6 hrs. in Dual High at 25 °C (77 °F)	
Adjustable Focus	Focus adjustable to focused/ spread beam	

# Weapon Mounted Tactical Light

(Emits IR & Visible Lights)

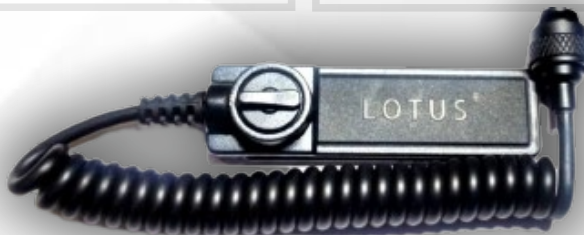
## Superlight (Manual Zoom)



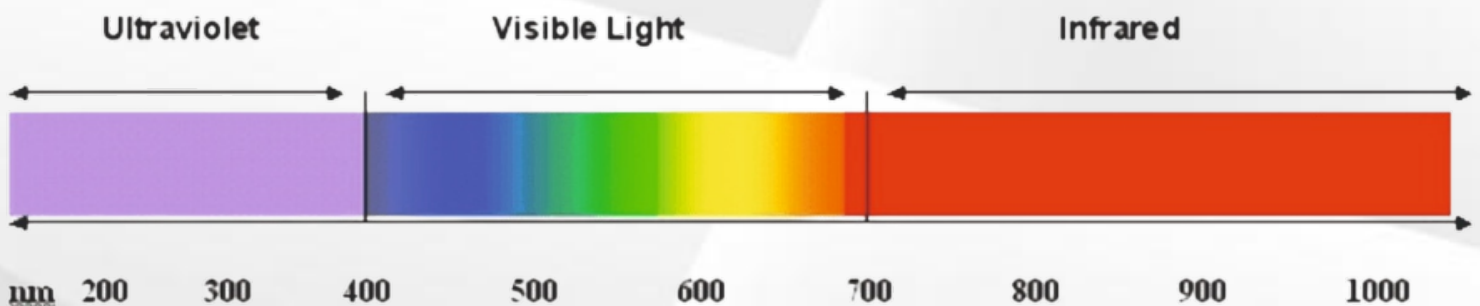
### FEATURES:

- Emits both White & Infrared (IR) Rays, IR 940 nm
- Both weapon / helmet mountable on standard 1913 Piccatiny Rail.
- Also hand held zooming system ( focussing system ) to make the beam focus / widespread .
- On / off through cable remote control
- Single 3 position selector switch for mode selection : IR / Off / Visible light
- Water Proof , Shock proof , Snow Proof
- 940 nm IR wavelength
- Weight : 235 grams

- Beam Range : 100 mtrs + ( at focus mode at full glow intensity ) for both IR & White modes
- Bulb source : LED of 5 watt rating of both IR & White
- Battery Charger : AC Charger for charging from 220V AC 50 Hz , 5 hours charging time
- Battery : Li-ion Rechargeable , Sealed Maintenance Free with inbuilt protection circuit 3.2Ah
- ACCharger : provided
- Run time : IR mode : 150 minutes + , White Light mode at full glow : 120 minutes +



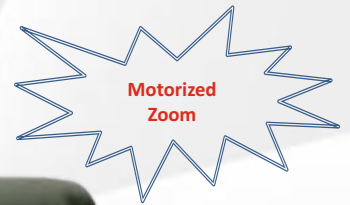
### Wavelengths (nm) of Light



# Weapon Mounted Tactical Light

(Emits IR & Visible Lights)

## Superlight (Motorized Zoom)



**Master on/off** : Master switch to make the light off / ready for operations ( in sleep mode )

**3 Position Mode selector switch** : Press the switch for selecting the 3 modes of operations i.e IR / OFF/ visible light

**Motorized zoom** : zoom can be operated from the light ( if operated in hand held mode ) and or through wired remote( if light mounted on weapon ) . It enables motorized adjustment of the light focus ( widespread / focus )



**Weapon Mount**

HA-III hard anodized Weapon / helmet mount made from aircraft grade aluminium Mount - military standard 1913 - Picatinny rails Has Adjustable 3 screws , one Allen Key for adjustments of screws.



**Li-ion Rechargeable Battery**

Li-ion Heavy duty Rechargeable batteries ( 18650 series ) Every light comes with total 2 batteries. Inbuilt battery protection from overcharging, deep discharge, reverse polarity.



**AC Battery Charger**

Smart AC Charger ( input 150V to 220 V AC , 50 Hz , non-spiked) Charging time : approx 5 hours. Do not charge on Generator. If using generator, charge through stabilizer If charger plugged to AC without battery : Green indication : AC supply If charger plugged to AC with battery :

**Red indication** : Low Charged  
**Green indication** : Full Charged

**Wired Remote**

ON/OFF    FLASH PAD FOR ZOOM



Remote Dual switch On/ off to lock the operations of the touch pad Press touch pad for operating the motorized zoom / beam focus of the light ( beam focus / wide spread ) ( post connecting remote male connector with the light female connector)

### Other Features :

**Beam Range** : 50-100 Mtrs (IR) , White Light : 50-200 Mtrs

**Lumens**: minimum 600 Run time / battery (once fully charged) : minimum 3 hours ( IR mode ) , minimum 2 hrs ( white light )

**Operating Temperature**: -20 deg C to 55 deg C

**Material of light**: Ruggedized 6061 T6 Aluminium Alloy ( Aircraft Grade ) .

**Other features**: Shock Proof , Ruggedized, Water proof ( IP 65 )



## Quality Control Certifications



## Product Features



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