

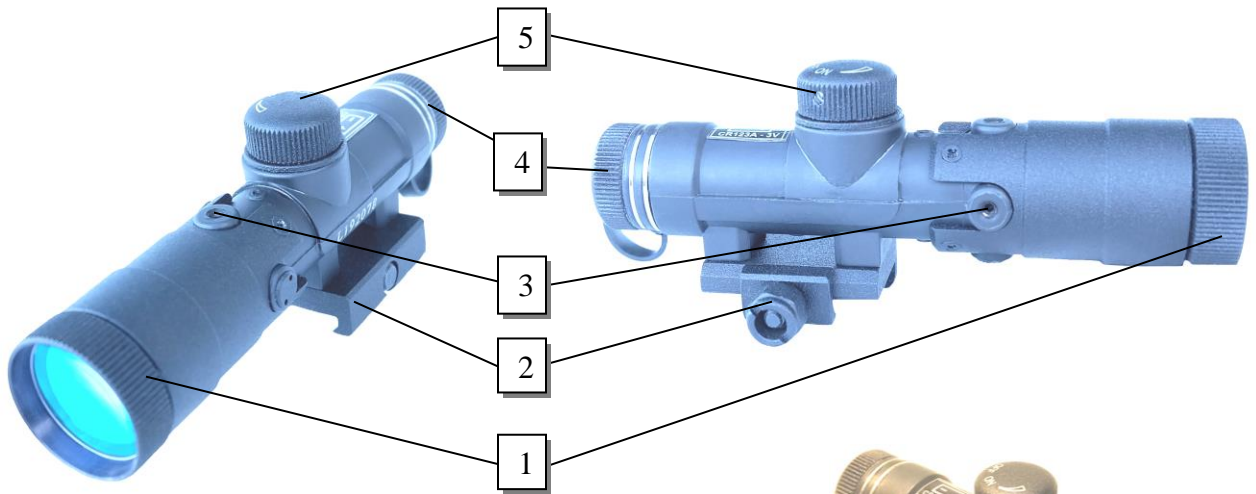


LN-EIR850 & LN-EIR940:

EXTENDED RANGE LED INFRARED ILLUMINATORS

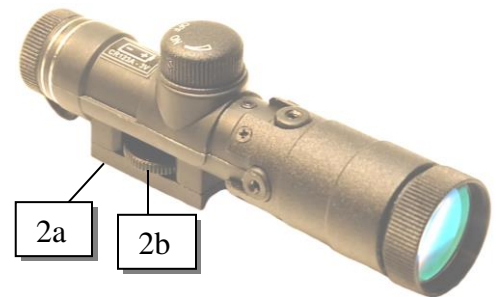
Thank you for purchasing a quality LUNA product. The model LN-EIR is a very popular accessory to any standard or digital night vision unit. It provides a much longer effective viewing distance than the usual stock built-in IR illuminator.

Please refer to the images below to identify the parts of the illuminator:



GLOSSARY:

- 1 – Beam width adjustment
- 2 – Mounting Bracket (*LN-EIR850-3 / LN-EIR940-3 shown above*)
- 3 – Horizontal and Vertical beam adjustments
- 4 – Battery Compartment Cover
- 5 – ON/OFF Switch with Variable Power Rheostat



LN-EIR850-2 / LN-EIR940-2

BATTERY INSTALLATION:

To install the battery please unscrew the battery compartment cover (4) by rotating it counterclockwise. It may be necessary to hold the rubber attachment string with one finger while unscrewing the battery compartment cover to ease the process. Once the battery compartment is opened, please insert one 3V Lithium battery, CR123 type as shown on the body of the illuminator according to (+) and (-) polarity. Replace the battery compartment cover. The IR is now ready for use. **IMPORTANT: USE OF RECHARGEABLE BATTERIES IS PROHIBITED AND WILL VOID ANY WARRANTY CLAIMS**

TURNING THE UNIT ON/OFF:

To turn the illuminator on please rotate the ON/OFF switch (5) clockwise. You will hear a faint clicking sound indicating the IR is ON. The illuminator has a smooth power adjustment and the further you rotate the switch clockwise the brighter the beam will become.

IMPORTANT: once you reach the maximum power the rotation will stop. **NEVER** try to over-rotate and never apply any force once the ON/OFF switch is at the maximum power level. Trying to force switch to rotate further at that point may damage it and will void any warranty claims.

To turn the illuminator off, rotate the ON/OFF switch counterclockwise until stop. You will hear again a faint clicking sound indicating the IR is OFF.

NOTE: if you turn on the IR and its flashing, it means you need to replace the battery.

FOCUSING THE INFRARED BEAM:

The illuminator features focusing infrared beam. This feature allows the user to utilize the IR illuminator in both, enclosed spaces and outdoors. With the beam at its widest setting, the IR is useful in illuminating more field of view and does not provide blinding effect on its user. When it is important to extend the effective distance of the IR beam to illuminate the object as far away as possible, the beam can be narrowed providing more effective illumination at the longest distance.

The width of the IR beam can be adjusted by rotating the focusing ring (1). The IR is shipped with the beam in its widest position. To narrow the beam width rotate the focusing ring (1) clockwise. You will notice the front lens will begin to retract and the IR beam width will begin to narrow.

IMPORTANT: as the front lens retracts all the way, there will be a moment when it will become difficult to rotate it further. **STOP** at this point and **NEVER** try to forcefully continue rotating the lens. This may result in focusing lens assembly being completely removed from the barrel, which could damage it, if it falls down, and it could allow dirt to enter the inside of the illuminator. **If such situation happens**, immediately replace the lens back into the barrel and avoid forcefully rotating it out of the body again.

MOUNTING THE ILLUMINATOR ONTO THE NIGHT VISION UNIT:

Models LN-EIR850-2 & LN-EIR940-2: Your mounting Bracket (2a) is with the bottom screw. Locate a rail or a mounting plate on the body of the night vision unit with a threaded hole and attach the illuminator into that hole by tightening the wheel (2b).

NOTE: the LN-EIR850-2 and LN-EIR940-2 will come with the longer mounting screw installed and a shorter screw in the internal back pocket of the carry case. Use longer screw for attachment to any night vision device with the standard 1/4" tripod hole. Use shorter screw for attachment to Luna Optics Elite and Special Purpose night vision riflescopes and monoculars only (models starting with "LN-E" and "LN-SPRS"). To change the mounting screw, remove the two little screws from the mounting bracket, change the bottom screw and replace the little screws.

Models LN-EIR850-3 & LN-EIR940-3: Your illuminator features standard Weaver/Picatinny bracket (2). You can mount the unit directly onto any accessory rail on the weapon, as you would a regular tactical flashlight and tighten the mount screw.

HORIZONTAL & VERTICAL BEAM ADJUSTMENTS:

This illuminator is supplied with a miniature adjustment wrench, located in the **inside back pocket** of the carry case, which you can use to adjust the horizontal and/or vertical position of the infrared beam. To do so, you should first mount the illuminator onto your specific night vision model and turn on the night vision unit and this illuminator. You will then see if the illuminator beam is in the center of the image, or not. If the beam position requires an adjustment, insert the adjustment wrench into horizontal and/or vertical adjustment holes (3) and gently rotate it in either direction while viewing the image through your night vision device until the beam is aligned to your liking.

TECHNICAL SPECIFICATIONS:

Wavelength -----	850nm (940nm)
Maximum viewing distance (with gen-1 and most digital night vision) -----	150m (100m)
Maximum viewing distance (with gen-2/2+ and some digital night vision) -	250/300m (200/250m)
Maximum viewing distance (with gen-3 night vision) -----	500m (400m)
Maximum Output power -----	450mW
Battery -----	3V Lith. CR123
Working time (max power) -----	2hrs
Dimensions -----	127mm x 30mm x 38mm
Weight -----	100g

WARRANTY:

Your night vision accessory is guaranteed to be free of manufacturing defects for a period of one (1) year from the date of purchase.