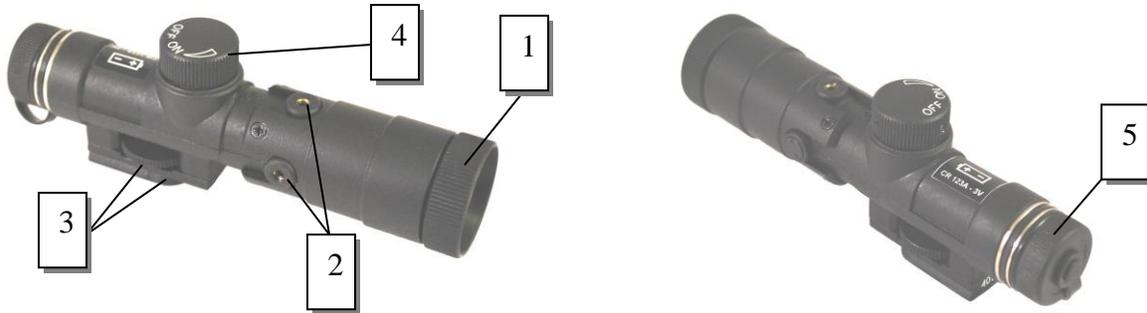




## **MODEL LN-EIR: EXTENDED RANGE LED INFRARED ILLUMINATOR**

*Thank you for purchasing a quality LUNA product. The model LN-EIR is a very popular accessory to your night vision unit. It provides a much further viewing distance than the standard built-in IR illuminator.*

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



### **GLOSSARY**

- 1 – Beam width adjustment
- 2 – Horizontal and Vertical beam adjustments
- 3 – Mounting bracket and wheel
- 4 – ON/OFF switch
- 5 – Battery compartment cover

### **BATTERY INSTALLATION:**

To install the battery please unscrew the battery compartment cover (5) 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. **WARNING: USE OF RECHARGEABLE BATTERIES IS PROHIBITED!**

### **TURNING THE UNIT ON/OFF:**

To turn the illuminator on please rotate the ON/OFF switch (4) 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 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.

### **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:**

**Model LN-EIR-1:** Your mounting Bracket (3) is in the shape of a sliding plate and your corresponding night vision unit should have a slot on top of the body either with or without removable cover. Once the cover is removed, the IR illuminator can slide in the place of the cover and can be tightened with the wheel located on the mounting bracket (3).

**Model LN-EIR-2:** Your mounting Bracket (3) 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 (3). Please note, this version is supplied with two screws – one is a longer size and it fits into standard tripod-size thread and another, shorter screw for mounting on top of selected Luna Optics night vision riflescopes and monoculars. One screw is already attached, while second screw is located in the back inside pocket of the carry pouch and can be replaced by removing the two small screws that hold the mounting bracket in the IR body.

**Model LN-EIR-3:** Your illuminator features standard Weaver/Picatinny bracket. You can mount the unit directly onto any accessory rail on the weapon, as you would a regular tactical flashlight.

To remove the IR illuminator, first loosen the wheel, then either slide the illuminator out of the night vision unit, or in case of the screw once the wheel is loose the illuminator is removed.

**HORIZONTAL & VERTICAL BEAM ADJUSTMENTS:**

This illuminator is supplied with a miniature adjustment wrench, located in the inside back pocket of the carry pouch, which you can use to adjust the horizontal and/or vertical direction of the infrared beam. To do so, you should first mount the illuminator onto your specific night vision model and turn on the unit and this illuminator. You will then see if the illuminator beam is in the center of the image, or not. If not, then insert the adjustment wrench into horizontal and/or vertical adjustment holes (2) and gently rotate it while viewing the image through your night vision device until the beam is aligned to your liking.

**TECHNICAL SPECIFICATIONS**

Wavelength ----- 805nm  
Maximum viewing distance (with gen-1 night vision) ----- 150m  
Maximum viewing distance (with gen-2(2+) night vision) ----- 250m (300m)  
Maximum viewing distance (with gen-3 night vision) ----- 500m  
Maximum Output power ----- 120mW  
Battery ----- 3V Lith. CR123  
Working time (max power) ----- 3hrs  
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.