

Gradient Lens Corporation®

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PRECISION BORESCOPIES

User Guide

HAWKEYE® SuperNOVA™ LED



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Hawkeye® SuperNOVA™ LED Light

The new Hawkeye SuperNOVA LED delivers more light, longer run time, LED longevity, and more convenient intensity control. It is 90% brighter, and runs twice as long as the old Hawkeye SuperNOVA, all in a 25% smaller package. Intensity control is now more convenient and versatile.



Table of Contents

Cautions/Warnings	3
Charging	4
Mounting	5
Operation	5
Battery Replacement.....	6
Customer Service.....	7

All product specifications subject to change without notice.

Symbol Descriptions

 HOT SURFACE!	Caution: Hot Surface
 CAUTION!	Caution: Bright Light
 CAUTION!	Caution
 Do Not Immerse in Any Liquid	Do Not Immerse in Any Liquid
 Do not dispose of this product as unsorted municipal waste. Prepare this product for reuse or separate collection as specified by Directive 2002/96/EC of the European Parliament and the Council of the European Union on Waste Electronic and Electrical Equipment (WEEE). If this product is contaminated, this directive does not apply.	
CAUTION	Any changes or modifications made to this device that are not expressly approved by manufacturer may void the user's authority to operate the equipment.

Cautions / Warnings

**CAUTION!**

CAUTION: When operated for a long time at the high-power setting, a non-handheld SuperNOVA™ LED may feel startlingly warm to the touch. This is normal for an LED light of similar size and performance, and NOT a defect. It is not a burn hazard. When using the light for extended periods, use the lowest power setting that will give a sufficient amount of light for the task.

**WARNING!**

WARNING: This is a Class 2 LED product. Do not stare directly into the beam. Momentary, accidental viewing is safe.

**CAUTION!**

CAUTION: LED Radiation, (RG-2) DO NOT STARE INTO BEAM – May be harmful to eyes. Per IEC 62471 Ed 1.0:2006:07

Charging

The SuperNOVA™ LED must be fully charged before first use.

SuperNOVA™ LED Contacts

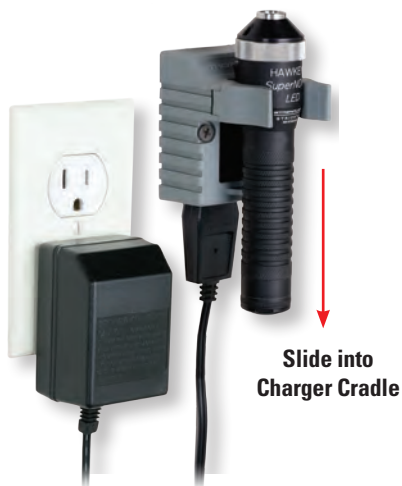


Charging Cradle Contacts



Plug the charger into the appropriate power outlet. Slide the SuperNOVA™ LED, handle-first, into the charger until the contacts snap into engagement.

A full charge on a completely discharged light takes about 3 hours.



LED Charge Indicator

- With the light inserted properly in the charging cradle, the red, charge-indicator LED should be lit. It may take a second or two for the LED to light when the light is first inserted.
- While charging – the LED glows steadily.
- When charged – the LED blinks about once per second.

IMPORTANT: Charging temperature is between 20°F and 115°F (-7 to 46 deg. C). A safety circuit prevents charging outside that range.

- Temperatures outside this range may cause the charge indicator to temporarily function abnormally.
- It is normal for the indicator to switch between steady glow and blinking as the battery reaches full charge.
- There is no danger of overcharging. The light is designed to be in the charger continuously when not in use.

Mounting

The SuperNOVA™ LED threads onto the light post on the bottom of Hawkeye® borescopes.

- Thread the light on until it contacts the body of the borescope.

DO NOT OVER-TIGHTEN!

Operation

The SuperNOVA™ LED has a multi-function, push-button switch in its tailcap.

- Lightly press the tailcap button for momentary operation.
- Fully press the button until it clicks to turn the light on at full intensity.
- Fully press and hold the button to cycle through high, medium and low intensity levels. Release the button at the desired level.
- Quickly double-click the button to activate strobe mode.
- Click the button once from any operating mode to turn the light off.



WARNING!

**The SuperNOVA™ LED emits extremely bright light.
DO NOT LOOK DIRECTLY INTO THE OUTPUT OF THE LIGHT.**

Light Intensity

Light intensity can be varied in two ways:

- Press and hold the tailcap button to cycle through high, medium and low intensity levels.
- Turn the knurled ring to adjust the internal, mechanical shutter.



CAUTION: The knurled ring turns through a total of about 20° rotation. Don't try to force it further.



Battery Replacement

Should the rechargeable, lithium-ion battery need replacing, unscrew the tailcap from the light and remove the battery.



Insert the concentric-contact end of the new battery first, and replace the tailcap.



CAUTION: Replace battery with Gradient Lens Corporation part number SN-BATT only.

30-Day Customer Satisfaction Guarantee

Gradient Lens Corporation offers its direct customers a money-back guarantee. If, for any reason, you are not completely satisfied with your purchase within 30 days, call our customer service department. A Return Material Authorization (RMA) number will be issued allowing a refund of the original purchase price from Gradient Lens Corporation (excluding shipping and handling charges), provided that the product is in original, saleable condition with all packaging.

Limited Warranty

Gradient Lens Corporation warrants that all Hawkeye® borescopes and accessories manufactured by Gradient Lens Corporation will be free of defects in materials and workmanship for one year from the date of first retail purchase. The entire Hawkeye® Borescope Warranty is available online at: <http://warranty.gradientlens.com>.

Video, lighting and some accessory products come with their manufacturer's warranty.

Warranty Claims and Non-Warranty Repairs

Whether you have a warranty claim, an out-of-warranty repair, or you don't really know which, call our customer service department at the number(s) listed above to talk about it. If necessary, we will issue you an RMA number and shipping instructions, allowing you to send the product back. Please do not return any product without calling for an RMA number first. You are responsible for shipping and insurance on any returns.

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