

⚠ Warnings

Light pod

Inspect light pod prior to use.

Do not use damaged light pod.

Turn the light pod off when not in use.

The light pod can get hot.

If the light pod is dropped or receives a mechanical impact, ensure that the casing is not damaged.

The electrolyte contained within the lithium cells can cause irritation to the respiratory tract, eyes and skin. In addition, cell venting could result in air contaminants, including corrosive or flammable vapors. All precautions should be taken to limit exposure to the electrolyte vapor.

Dispose of light pod in accordance with existing state and local laws.

Do not use the light pod if ambient temperatures exceed 30°C (86°F).

When light pod is in use, always keep the front of the light at least 6 inches from skin and any surface being illuminated.

Do not shine light into patient's eyes.

Do not shine light onto combustible material.

Do not allow contact of the lamp to the patient.

Charging

When charging the light pod, inspect the charging lights to ensure that charging is active.

Do not simultaneously touch the charging unit (when plugged in) and the patient.

Use only Firefly charger unit to charge the light pods. Li-ion batteries can be dangerous and even explode if improperly charged. The light pods are designed to be charged by the supplied charging station only.

General

Check all components for burrs, nicks, and sharp edges prior to use.

If unit is jarred or dropped, re-inspect prior to use.

Do not use the Firefly system or charge the battery in an oxygen rich environment.

Do not store liquids above the charger, power pack or any other Firefly component or accessory.

If a spill occurs into the charger, battery, or LED lamp, discontinue use. Using the charger after liquid is spilled into the unit could result in electrical shock. Clean only as directed.

Do not modify this equipment without authorization from the manufacturer.

NOTICE: Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

Warranty

DenMat warrants its products to be free of original defects in material and workmanship when used for intended purposes. The Firefly comes with a 1-year warranty.

Warranty Exclusions:

- Breakage or failure due to tampering, misuse, neglect, accidents, modification or shipping.
- If the instrument is not used in accordance with manufacturer's recommendations or instructions.
- If repaired or serviced by anyone other than DenMat or a DenMat authorized representative.

Prompt inspection and reporting of missing or damaged product should be reported to shipping carrier and DenMat within 3 days of receipt of product.

If DenMat products or any component thereof are found to be defective or at variance with the instrument or component(s) they will be replaced at no cost to the purchaser. This warranty only applies to products purchased new from DenMat or its authorized distributors or representatives.

For any questions or problems, please contact your local distributor or call DenMat Customer Care at 800-433-6628 between the hours of 8am to 5pm (Pacific Time) Monday-Friday. Outside the U.S., please call 1-805-347-7990 or visit denmat.com.

REPLACEMENT PARTS	BLACK (A-LED5)	RED (A-LED5R)	BLUE (A-LED5B)
Power Adapter	LED5-BC-A	LED5-BC-A	LED5-BC-A
Battery Charger Unit	LED5-BC	LED5-BC	LED5-BC
Light Pod	LED5-B-A2	LED5-B-AR1	LED5-B-AB1
Mount	LED5-MA1	LED5-MA1	LED5-MA1

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FIREFLY®

CORDLESS HEADLIGHT SYSTEM



Instructions for Use

Solutions in magnification
and portable LED illumination



Device Description and Intended Use

The PeriOptix® Firefly Cordless Headlight System is a fully portable lighting system worn by the operator and is intended to illuminate a working area. It can be worn on a headband or attached to all types of loupes. The light pod(s) are internally powered with a rechargeable lithium-ion battery that provides more than 60 minutes of bright, focused light between charges.

What's Included:



Cleaning Instructions

Cleaning with a low-alcohol (<25%) solution is recommended. Avoid spraying liquid directly on the unit. Instead, spray onto a soft no-scratch cloth, and wipe the product as needed. Clean all lens surfaces with the dry optical cleaning cloth provided with the unit. Do not use a liquid cleaner on the lens. Should you have any questions, please call DenMat Customer Care at 800-433-6628.

CAUTION

- DO NOT SUBMERGE PRODUCT OR SUBJECT TO SURFACE SATURATION.
Your product is not waterproof.
- DO NOT SUBMERGE IN ANY LIQUID OR ULTRASONIC CLEANER.
- DO NOT CLEAN VIA AN AUTOCLAVE, CHEMIClave, GLUTARALDEHYDE, IODOPHOR, OR ANY OTHER STERILIZATION METHOD.
- NO MODIFICATION OF THIS EQUIPMENT IS ALLOWED.
- THIS UNIT CONTAINS A LITHIUM-ION BATTERY. AS A RESULT PLEASE BE SURE TO NOT STORE THE UNIT UNCHARGED FOR AN EXTENDED PERIOD OF TIME AS THIS MAY CAUSE THE BATTERY TO DISCHARGE AND REDUCE THE LIFETIME OF THE UNIT.
- CONFORMS TO AAMI ES Std. 60601-1, IEC STD. 80601-2-60, IEC Std. 60601-1-6.
- CERTIFIED TO CSA Std. C22.2 #60601-1, CSA Std. C22.2 #60601-1-6.

Operating Environment

- 10° – 30° C (50° – 86° F)
- 95% or less humidity
- Maximum barometric pressure 80kPa
- Maximum altitude of operation must be 2000m or less

Transport Environment

- 0° – 40° C (32° – 104° F)
- 95% or less humidity
- 70kPa – 106kPa



Symbols Glossary available at denmat.com/symbols.

Operating Instructions

1. Charging light pod batteries

- a. Plug the power adapter (1) into a power outlet and connect to battery charger unit (4).



- b. A single blue light in the center of the charger will indicate power to the charger.



- c. Place a light pod (3) into the charger unit (4). Make sure the lens is facing up to engage charger terminals.



- d. When the light pod(s) is inserted into the charger, the appropriate charger indicator lights will illuminate.

- e. When all four charger lights are illuminated, the light pod is fully charged.

2. Mounting the light

Attach the Firefly mount to your loupes.

Universal Mount attachment to eyeglass frames

Open the clip and slide down over the top of the nose bridge. The padded arms of the clip should grasp each side of the eyeglass lenses. Tighten thumb screw to secure clip to frame.

There are many mount options for all glasses styles. Please contact DenMat Customer Care with mount options and questions.

3. Clip the Firefly light pod to its mount

- a. Remove the fully charged light pod from the Firefly charger.
b. Place the rear of the light pod on the mount. It will magnetically "click" into place.

4. Turn on light pod by rotating pod

Rotating the light pod on its mount will cycle through off high power / low power off settings.

5. Adjust the direction of the LED beam

To adjust the tension or the lamp head position, use the supplied Phillips-head screwdriver to tighten or loosen the two small link screws as needed.

6. Removing the Firefly light pod from the mount

To remove the firefly light pod from the magnetic mount twist the light to break the magnetic seal, then pull to the left or right of the loupes and NOT up or down.

