



# Practicon® Spot-On™ 2 LED Headlight

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## Instructions for Use

Thank you for purchasing the **Spot-On 2 LED Headlight**. The Spot-On 2 is a head-worn LED light that replaces or augments overhead lighting. It provides eight levels of crisp, directed white light. The continuously adjustable spot size ranges from 0.6" diameter to 3" diameter at a working distance of 14". The lightweight (0.8 oz.) Spot-On 2 easily mounts onto most eyewear and loupes.

### Accessories Included:

- (1) 5V battery charger
- (1) Spring clip eyewear mount
- (1) Optional snap-on loupe mount
- (2) Interchangeable control unit battery packs with clip-on leather case
- (2) Cord clips
- (1) Padded storage case

### To Charge the Battery:

Charge the batteries completely before using them with the Spot-On 2 for the first time.

1. Connect the charger cable to a Spot-On 2 battery pack using the DC 5V Micro-USB port on the bottom of the control unit, then plug the charger into a wall outlet.
2. One or more of the four green LEDs located on the top of the unit will flash. The battery is fully charged when all four LEDs light solid green.
3. Recharge the battery when only one of the green charge indicator LEDs is illuminated. Switch to the alternate battery pack for continued use, if needed.

### To Use the Spot-On 2:

1. Decide whether you prefer to use the spring clip eyewear mount or the snap-on loupe mount. Remove the double-ended screw from the mounting extension on the bottom of the light barrel. Slide the desired mount onto the extension and attach with the double-ended screw.

**Note:** Do not over tighten the mounting screw. Tighten just enough to hold the light barrel securely in one position, but still loose enough to allow directional adjustment.

2. If using the spring mount, clip the Spot-On 2 on top of your eyewear, centered between the lenses. If using the loupe mount, snap the mount onto the center bar between the two lenses.
3. Slip a Spot-On 2 controller into the leather case with the top edge containing the power button, LEDs, and light socket upward. Secure with the snap closure. The Spot-On 2 can be recharged through the charger port opening in the bottom of the case.
4. Use the clip on the case to attach the control unit to your clothing, making sure the power button and LEDs are accessible and visible.
5. Plug the Spot-On 2 cord into the control unit using the circular socket on the top of the unit.
6. Turn the Spot-On 2 on by pressing the power button on the top of the control unit.
7. Adjust the horizontal direction of the light by simply turning the light barrel in the preferred X-direction.
8. Adjust the vertical direction of the light by simply raising or lowering the light barrel in the Y-direction.

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### Adjusting the Brightness Level:

The power button also functions as a control for the light level. The Spot-On 2 features eight different levels of illumination.

1. Press and release the power button momentarily to cycle through the different brightness levels.
2. Once the brightest setting is reached, the Spot-On 2 will return to the least powerful setting and restart the brightness adjustment cycle.
3. When the Spot-On 2 is powered on, its initial brightness setting will be the same as the last one used.

### Adjusting the Spot Size/Focus:

The spot diameter is continuously adjustable from 0.6" to 3" at a working distance of 14" (sizes will naturally vary for shorter and longer working distances).

Adjust the spot size using the lever on the top of the light barrel. Moving the lever to the right makes the spot diameter smaller, while moving it to the left makes it larger.

### Turning the Spot-On 2 Off:

To turn the Spot-On 2 off, press and hold the power button for two seconds, then release.

## CAUTIONS

- Read this entire Instructions for Use before using the Spot-On 2 LED Headlight.
- The Spot-On 2 contains no user serviceable parts. All repairs and/or maintenance to the Spot-On 2 should be performed only by a qualified technician.
- Use only the power supply/charger included. Use of a different power supply may damage the unit and void the warranty.

## WARNINGS

- It is the responsibility of the user to ensure that the Spot-On 2 is used safely and functioning properly.
- The Spot-On 2 generates high-intensity, white LED light. Before turning the Spot-On 2 on, make sure the light is pointed away from the eyes.
- Do not expose the Spot-On 2 to heat sources or direct sunlight.

### Spot-On 2 LED Headlight Specifications:

**Spot size:** Adjustable from 0.6" diameter to 3" diameter at a 14" working distance.

**Lamp weight:** 0.8 oz. (without cord or controller).

**Light intensity:** Adjustable up to 23,000 lux.

**Lamp color temp.:** 6000°K (± 1000°K).

**Operating time PER BATTERY:** 2½ hours of continuous operation on one 5-hour charge.

**Battery life:** Approximately 500 charges.

**Battery current:** 2600 mA sealed lithium-ion.

**Input:** DC 5V, 1A.

**Output:** DC 1.2V-5V.

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