

USER MANUAL

Thank you for choosing a Serfas E-LUME series light! We know you will be happy with the performance and value you are getting in this product. This manual is intended to help get you started on your journey down that well lit path. Please read this manual completely and use the recommended care precautions before using this product. If you have any further questions regarding this product please go to our website at www.serfas.com or call us at 1-623-888-5841.

SPECIFICATIONS

- > HIGH PERFORMANCE CREE LED
- > USB RECHARGEABLE
- > WATER RESISTANT IPX6
- > NYLON AND METAL BODY
- > PRECISION OPTICAL LENS
- > 3 LEVEL BATTERY LIFE INDICATOR

CONTENTS INCLUDED

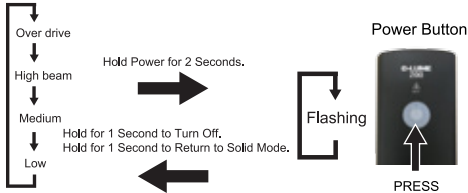


CONTENTS:

- E-LUME Headlight
- USB cable
- Handlebar bracket
- Manual

LIGHT OPERATION

- Your new light has two different modes (solid and flashing). Holding down the power button for 2 seconds will switch the mode between normal and flashing.



- Hold the power button for 2 seconds to change into the flashing mode. Hold for 1 second to turn the light off. Release button. Hold for another second to return to solid mode.

- Press and hold the on / off button around 1 second to turn off and on.

- Solid mode has memory function. Light will return to the solid power level it was at when turned off.

* **Last Mode Memory:** If light is in flash mode when turned off it will return to flash mode when turned back on.

OVER HEAT PROTECTION

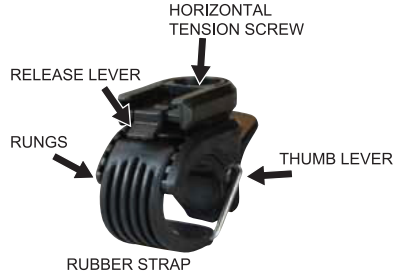
The overheat protection circuitry in your light ensures that it operates at safe temperatures to insure a long life. Continued heat build up is the biggest enemy of LED's and causes lower lumen output and lifespan when operated too hot. Under proper operating conditions your LED should last 50,000+ hours. (See battery info for battery lifespan)

When your light is on many factors can cause it to get too hot (inadequate airflow, mud, dirt, walking up that hill). When this happens the circuitry in this device will automatically go into "Medium" mode. Once the air flow over the light has improved and the running temperature is reduced the circuitry will kick the light back into the previous mode.

HOW TO MOUNT THE HEADLIGHT

UNIVERSAL BRACKET INSTRUCTIONS:

Open bracket by pulling thumb lever down, then un-clip the thumb lever from the cam hook to open. Adjust the rubber strap length to fit bar by moving the strap up or down the rungs located under the swivel light mount. Once the length of strap is adjusted for best fit, install around handle bar or seat post by inserting thumb lever into cam hook, then rotate thumb lever upwards towards swivel mount to lock. If light still moves on the bar open thumb lever and shorten strap by moving the rubber strap up to the next rung.



HOW TO CHARGE BATTERY

WARNING: Batteries can only be charged using a USB adapter with a 5v output or USB port on a computer. Only charge batteries in a dry environment. Light has smart charging technology which ensures longer battery life and will not over charge.
 * Charge times depend on light model being charged due to internal components inside light.
 * When the indicator turns flashing red, it means the battery is below 20%.

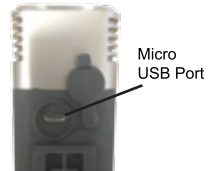
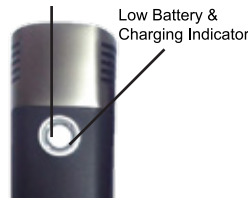
Power Button:

- Low Battery Indicator
- * 61%-100% Solid Blue
- * 21%-60% Solid Orange
- * 20%-0% Flashing Red

Power Button:

- Charging Indicator
- * Flashing Red - Charging
- * Solid Blue - Charged

Power Button



- Carefully open rubber dust cover on bottom side of light, exposing the USB port.
- Insert micro USB cord into light USB port.
- Charge indicator will start flashing red within seconds.

Light will automatically stop charging when full charge is achieved and indicator light will turn solid blue. Remove battery from charger and reinsert rubber pull tab into USB port to keep out water and dirt.

You can expect 300-500 charging cycles from this rechargeable battery.

Runtimes are affected above 110° ambient temperature or below 35° ambient temperature. We suggest that you run in the medium or low power modes to extend run time.

Always store battery with a full charge. If being stored for more than a month, recharge monthly.

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CHARGE TIMES

E-LUME 1600 (USL-1600): 3 hours @ 2A
 E-LUME 1200 (USL-1200): 2.5 hours @ 2A
 E-LUME 900 (USL-900): 2 hours @ 1.5A
 E-LUME 650 (USL-650): 2.75 hours @ 1A

* Charge times depend on USB adapter output. Example: If charging USL-1600 using a 1A wall charger it will take 6 hours to charge.

RUNTIMES

USL-1600

MODE	LUMEN	RUNTIME
Overdrive	1600	up to 1.5 hrs
High	1000	up to 2.5 hrs
Medium	700	up to 4.5 hrs
Low	400	up to 6.5 hrs
Daytime Flash	1600	up to 35 hrs
Low Flash	200	up to 20 hrs

USL-1200

MODE	LUMEN	RUNTIME
Overdrive	1200	up to 1.5 hrs
High	700	up to 3 hrs
Medium	400	up to 4.5 hrs
Low	200	up to 9.5 hrs
Daytime Flash	1200	up to 30 hrs
Low Flash	200	up to 40 hrs

USL-900

MODE	LUMEN	RUNTIME
Overdrive	900	up to 1.5 hrs
High	450	up to 3 hrs
Medium	300	up to 3.5 hrs
Low	150	up to 9 hrs
Daytime Flash	900	up to 50 hrs
Low Flash	200	up to 30 hrs

USL-650

MODE	LUMEN	RUNTIME
Overdrive	650	up to 2 hrs
High	400	up to 3.5 hrs
Medium	200	up to 5 hrs
Low	100	up to 10 hrs
Daytime Flash	650	up to 60 hrs
Low Flash	100	up to 28 hrs

WARRANTY

LIMITED LIFETIME WARRANTY REQUIRES ONLINE REGISTRATION.

Go to www.serfas.com/warranty for warranty details and online registration. Limited Lifetime Warranty covers manufacture defects.

Serfas warrants to the original purchaser of this product that the product is free from defects in material and workmanship for the lifetime of the product **with online registration**. This warranty does not apply to damage due to heat, physical damage (crashing) resulting from abuse, neglect, improper repair, improper fit, or alterations of the fixture. This warranty is in lieu of all other agreements and warranties, general or specific, express or implied and no representative or person is authorized to assume liability on behalf of Serfas in connection with the sale and use of this product.

Serfas reserves the right to request the return of any product submitted for warranty consideration. All customers should contact Serfas directly for warranty service.

Battery Warranty: Batteries are covered by a one year warranty from date of purchase.

To make a claim, please e-mail warranty@serfas.com. If e-mail is unavailable please call Serfas at 623.888.5841.

BATTERY REPLACEMENT

At the end of your batteries lifespan your light allows for the end user to replace the battery. Over time after many charge cycles the battery will lose capacity or stop working altogether due to low voltage. When this happens a replacement battery is available to purchases from Serfas or your local retailer.

HOW TO CLEAN AND CARE FOR THE LIGHT

- * Make sure to clean the dust and dirt off the light with soft damp cloth after every ride.
- * Water resistant is for rain water only. Do not submerge the battery or the whole light into water when cleaning.



CAUTION: Please follow the guidelines below:

- *Use caution when handling, the light may get hot.
- *Unplug the battery and headlight if not in use.
- *Unplug the battery and charger if not in use.
- *Unplug connector by the plug end, never by pulling on the cable.
- *Do not amend or replace any parts with Non-Serfas parts.
- *Do not dismantle the headlight or battery case.
- *Provide sufficient airflow to the headlight for cooling during use.
- *Do not use submerged under water.
- *Do not look directly at light.
- *Do not leave the light on and unattended.
- *Keep headlight and battery away from fire and combustible materials.
- *Do not store head unit when hot or straightway after use.
- *Unplug the USB cable when fully charged.
- *This light is for bicycle use only.