



FULL VERSION MANUAL ROUGHLIGHT 700



RoughLight 700
Art.no 38446

PRODUCT OVERVIEW

The packaging contains the following parts:

- Headlamp unit
- Headband
- Integrated battery
- USB-C charging cable
- Helmet bracket including adhesive tape
- Quick guide

BEFORE USE

CHARGE THE INTEGRATED BATTERY

The battery needs to be charged before first use.

1. Connect the USB-C charging cable to the charging port of the lamp (located below the lenses). The charging port is waterproof, but make sure there is no debris inside the port when inserting the charging cable.
2. Connect the other end of the charging cable to a USB-port (either from a computer, car or a USB charger/adaptor connected to a wall outlet)
3. On the side of the lamp, there are 4 LEDs showing battery status during charging:
 - Green light constant (all 4 LEDs) = battery is fully charged
 - Green light blinking = battery is charging

Approximated charge time (depending on input source): 2 h.

Note! When the battery is fully charged the charger automatically switches to maintenance mode.

Note! Never leave a lamp unattended during charging.

ADJUST THE HEADBAND

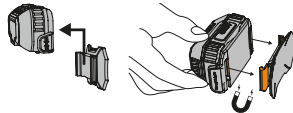
The elastic headband with anti-slip rubber on the inside is designed to give a comfortable fit at all times. Adjust the headband by moving the sliding buckle to fit it onto your head.

MAG-SNAP - MAGNETIC MOUNTING

Both the lamp unit and the included helmet mount has a magnetic surface that enables easy mounting and switching between headband and helmet. The magnetic surface on the lamp also lets you snap the lamp directly onto metal surfaces.

To detach: slide the lamp upwards and out of the bracket.

To attach: place the lamp onto the bracket and let the magnet lock it in place. Make sure you hear a click.



HELMET MOUNT

The helmet bracket comes with pre-mounted adhesive tape on the back for easy mounting on any helmet. The adhesive is a polyethylene foam tape developed to not damage or cause any type of weakness to the plastic in your helmet, but make sure that your helmet is suitable for this by checking its specifications with the manufacturer of the specific helmet.

1. Remove the protective film covering the adhesive tape on the bracket.
2. Make sure the surface of the helmet is clean and dry. Firmly press the bracket in correct position onto the helmet. For optimal effect - you should leave the attachment in this state for at least 24 hours before using it.
3. To attach/detach the lamp from the bracket - see Mag-Snap above.

The helmet mount is designed to fit most helmets without a visor. If the helmet has a visor – the Silva Mag-snap Z-mount can be bought as a supplement. The Z-mount lets the visor pass under the lamp.

BUTTON LOCK

On the top of the lamp unit there is a push button which controls all light modes. This button can be locked to prevent the lamp from being lit by accident.

To activate the button lock: make sure the lamp is turned OFF, press the button with an extra long press (3 sec). The red LED next to the [3s] symbol on the side of the lamp will start flashing (the red led on the front of the lamp will also light up briefly). When the red LED next to the [3s] symbol stops flashing and lights constantly - the button is locked.

If you try to start lamp with button lock activated the LED next to the [3s] symbol will flash red to indicate that the lamp is locked.

To deactivate the button lock: press the button with an extra long press (3 sec). The red LED next to the [3s] symbol on the side of the lamp will start flashing. After 3 seconds, when the button lock is deactivated, the LED next to the [] symbol will turn steady green. Now you can start the lamp as normal.

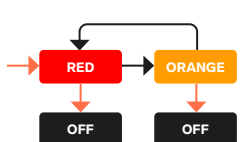
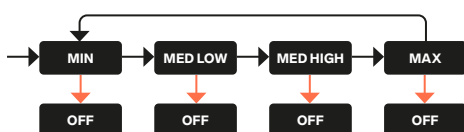
DURING USE

SWITCH ON YOUR HEADLAMP

The push button on the top of the lamp controls all light modes.

→ SHORT PRESS

→ LONG PRESS



In addition to white light, the lamp offers red and orange light modes that are optimal in different situations.
Red light: preserves your night vision
Orange light: good for reading maps/instructions

Note! When toggling to MAX mode, the lamp will flash shortly as a visual indication to let you know which mode you are in. This is helpful to prevent unnecessary button presses.

SILVA INTELLIGENT LIGHT™

This headlamp is equipped with **Intelligent Light™** which is a light distribution technology that combines a wide-angle flood light with a long reach spot light. This unique light image gives the user peripheral and long distance vision at the same time.

TEMPERATURE CONTROL

The temperature of the lamp body will increase during use and cooling is an essential part of how well the lamp performs. The temperature of the lamp is affected by the brightness level, ambient air temperature and airflow (wind).

The lamp unit is equipped with an effective cooler, but also a temperature control sensor that prevents the lamp body from overheating by reducing the power to the LEDs. When sufficient cooling is achieved, the sensor automatically increases the power to optimise performance.

The lamp can get very hot!

- Always make sure to activate the button lock when the lamp is stored in a closed compartment such as in a bag, pocket or similar.
- Keep away from children.
- Make sure that the lamp does not come in contact with sensible or flammable materials.
- The front glass or heat sink must not be covered with dirt or other materials while the lamp is switched on.
- Do not touch the front glass with bare hands.
- Never look directly into the lamp while switched on.

BATTERY STATUS INDICATION

When the lamp is switched ON or OFF - the LED indicators on the side of the lamp will show the current battery status for 5 seconds. To check battery status during use, the lamp needs to be switched OFF.

The LED indicators indicates the following:

- 4 green LEDs = Fully charged
- 3 green LEDs = 75% of the battery remains
- 2 green LEDs = 50% of the battery remains
- 1 green LED = 25% of the battery remains
- 1 red LED = 10% of the battery remains

AFTER USE

MAINTENANCE

To make sure you get maximum performance from your headlamp, clean it regularly with a damp cloth. Headband cleaning: rinse in warm water.

ABOUT LI-ION BATTERIES

RoughLight has an internal Li-ion battery and should be stored in a dry environment within the temperature range of -40°C and +60°C.

If you would like to store your lamp for a longer period (more than 30 days) the battery should not be fully charged. Recommended charge level for storing is 30%.

You can always charge a half full battery without damaging its characteristics.

Do not expose the lamp to extreme temperatures which may cause fire or explosion.

To get the most out of your battery - do not expose it to low temperatures during use.

Do not disassemble or mistreat the battery; risk for chemical burn.

Keep away from children.

TECHNICAL SPECIFICATIONS

Lumen / Burn time / Light distance:	See matrix below
Weight (lamp unit):	131 g
Battery type:	Li-Po, 2050mAh, 3.7V
Charging time:	2 h
Water resistance:	IP68
Operative temperature range:	-30 - (+)50°C
Storage temperature range:	-40 - (+)60°C

LIGHT MODE	TRUE LUMEN ANSI*	OPTIMAL FOR	BEAM FWT™	BURN TIME ANSI**	LIGHT DISTANCE ANSI
MAX	700 lm	long range work	wide+spot	2 h	105 m / 344 ft
MED HIGH	300 lm	medium range work	wide+spot	5 h	70 m / 229 ft
MED LOW	100 lm	close range work	wide	10 h	20 m / 65 ft
MIN	15 lm	ambience/reading	soft	60 h	6 m / 26 ft

Values are measured and specified according to the ANSI FL1 STANDARD
*Actual light output after 30 seconds.
**Burn time from power-on until lumen reaches <10%.

PROTECTING THE ENVIRONMENT.

Lamp unit, batteries and packaging are recyclable. Please dispose these items at designated recycling stations.

WARRANTY

Silva warrants that, for a period of two (2) years, your Silva Product will be substantially free of defects in materials and workmanship under normal use. Silva's liability under this warranty is limited to repairing or replacing the product. This limited warranty extends only to the original purchaser.

If the Product proves defective during the Warranty Period, please contact the original place of purchase. Make sure to have your proof of purchase on hand when returning the product. Returns cannot be processed without the original proof of purchase. This warranty does not apply if the Product has been altered, not been installed, operated, repaired, or maintained in accordance with instructions supplied by Silva, or has been subjected to abnormal physical or electrical stress, misuse, negligence or accident. Neither does the warranty cover normal wear and tear. Silva is not responsible for any consequences, direct or indirect, or damage resultant from use of this product. In no event, will Silva's liability exceed the amount paid by you for the product. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty is valid and may be processed only in the country of purchase.

For more information please visit www.silvaweden.com