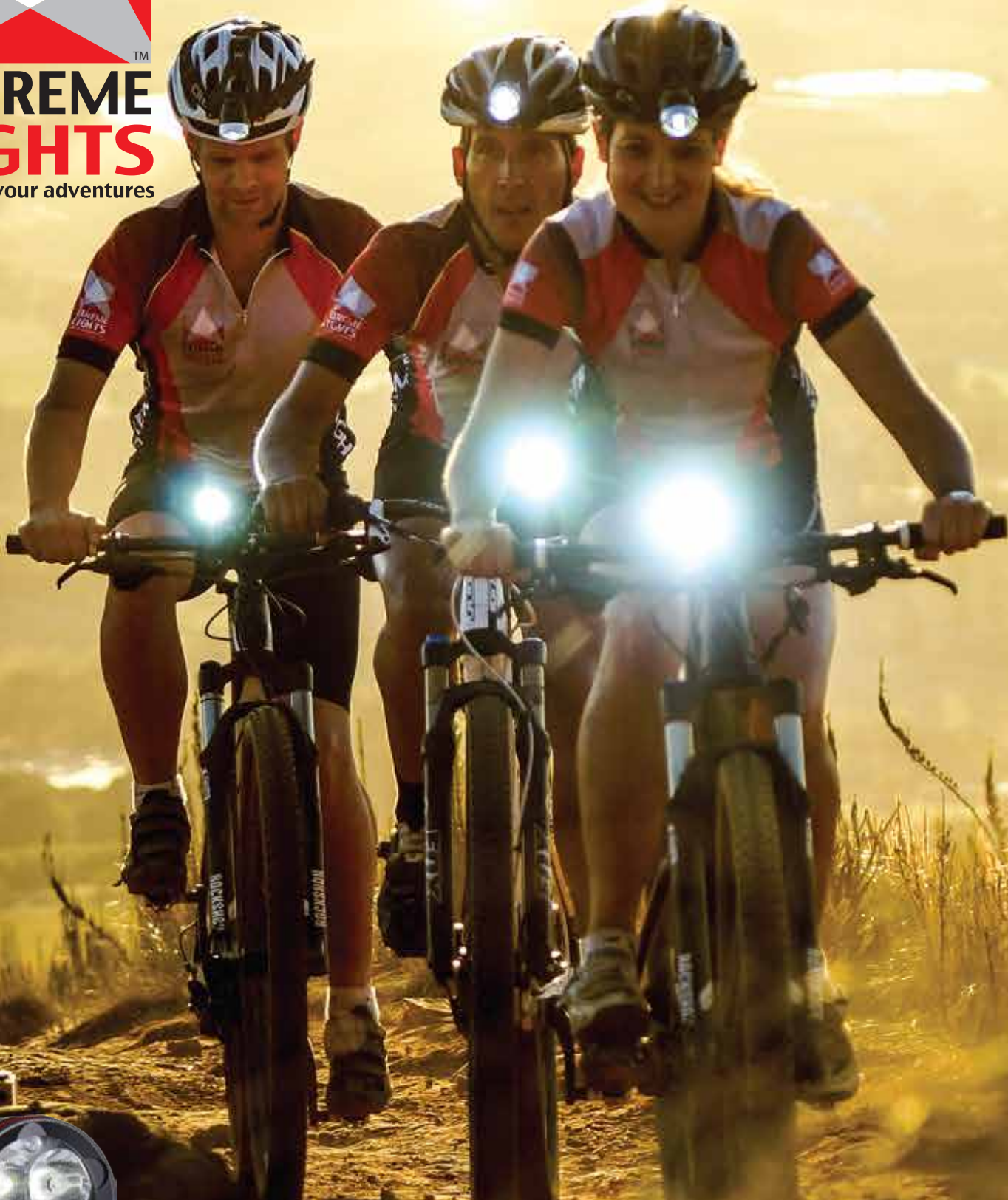




**EXTREME  
LIGHTS**  
Light up your adventures



## Endurance Cycle Light User Instructions



# Endurance Cycle Light

## User Instructions V1.0

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# Welcome

Congratulations for purchasing your new **Extreme Lights Endurance Cycle Light**. You are now part of the Extreme Lights family, and all of us love spending time with family and friends in the great outdoors!

The Endurance Cycle Light is the ideal cycle light for long-distance off road races such as the Trans Baviaans and 24-hour events. This light has been specially designed for off-road bicycle racing. It features a wide flood and extra-high brightness, delivering unmatched performance, and striking a perfect balance between size, weight, performance and reliability. The Endurance Cycle Light produces a near-perfect beam pattern, with maximum beam distance of 254m. The Endurance Cycle Light produces natural white light of up to 2 100 Lumen, and features maximum runtime of 40 hours

## Safety information

Read and understand the information contained in this user guide, and follow all instructions, cautions and warnings before installing and operating your Extreme Lights Endurance Cycle Light. Improper use of the Endurance Cycle light could lead to fire, leakage or explosion. Always follow the safety instructions below:

### Battery

- The Endurance Cycle Light uses a lithium-ion battery pack. If a battery has discharged, always charge the battery to full capacity before placing the battery in storage. Storing a discharged battery may damage the battery.
- If a battery is being charged, never leave the battery and charger unattended.
- If the Endurance Cycle Light is not used for a long period, charge the battery to full capacity before disconnecting the battery charger and removing the battery from the light unit. This will extend the lifespan of the battery.
- Do not connect non-approved battery packs to the light unit. Battery packs which are not approved by Extreme Lights can cause damage to the light unit

### Operation

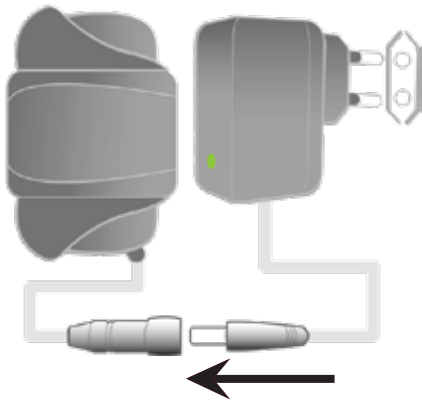
- Do not operate the light unit in conditions of low airflow (such as indoors, or while stationary for long periods) as this may cause the light unit to overheat.
- When using the light unit, handle it with care as the light may become hot.
- Do not drop the light unit or battery pack onto hard surfaces.
- Never look directly into the light beam. High-intensity LED light may cause temporary blindness.
- Do not allow children to handle or operate the light unit, battery pack or battery charger.
- Never submerge the light unit, battery pack or battery charger in water.
- Never let children operate the light.

## Operating your light

### A - Charging your battery

Charge the battery pack as follows:

1. Plug the battery charger into a 220V AC mains outlet. Turn on the mains switch.
2. Connect the charger outlet to the battery pack. A typical charge time is six hours.
3. Read the LED indicator on the battery charger as follows:
  - **RED:** battery is being charged.
  - **GREEN:** battery is fully charged. Alternatively, the battery charger is connected to the battery but is not receiving mains power.



## Operating your light

### B - Mounting Instructions

The Extreme Lights Endurance Cycle Light fits all sizes of bicycle handlebars.

#### Mounting the light unit

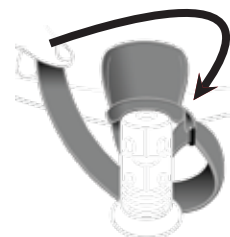
The XP quick release clamp is standard on the Endurance Cycle Light.

1. Insert the rubber shims into the holes in the clamp. Most 32mm mountain bike handlebars will use the thin rubber shims.
2. Tighten the screw that attaches the clamp to the light unit. Do not overtighten!
3. Place the light unit on the top surface of the handlebar, facing forward.
4. Tighten the screw to the desired length. Close the screw.
5. Ensure that the light unit is secured to the handlebar so that it cannot move. This ensures that the light beam will give maximum illumination while riding. If the light unit still moves, open the screw, turn the screw clockwise by one full turn, before closing it again.



#### Mounting the battery pack

1. If you are not using the Extension cable (optional), mount the battery pack to the topside of the handlebar stem. The Extension cable can be used to mount the battery pack almost anywhere on the upper parts of the bicycle.
2. Choose a safe location for the battery pack. The battery pack must not be exposed to rotating parts or to water, and must not interfere with the motions of riding. Good mounting points for the battery pack are on top of the stem, or the underside of the frame top tube.
3. Loop the attached Velcro strap around the chosen mounting point to secure the battery pack in place.



## Operating your light

### C - Changing Modes

The Endurance Cycle Light has four lighting modes. Select a lighting mode as follows:

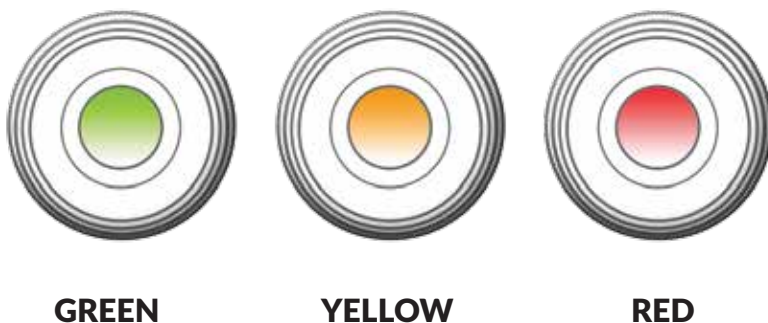


1. Press the button on the back of the light unit (shown below) for three seconds to switch the light **ON**.
2. The default light setting is **Low mode**. Press the button once to select **High mode**. Press the button again to select **Boost mode**. Press the button again to cycle the light back to **Low**.
3. To select **Pulse mode**, double-click the button on the back of the light unit. **Pulse mode** can be selected while the light is at any light setting.
4. Press the button on the back of the light unit for three seconds to switch the light **OFF**.

## Operating your light

### D - Battery Level Indicator

The Endurance Cycle Light is equipped with a battery level indicator light inside the mode button. The indicator light will display the percentage of battery life remaining, based on its colour.



**Flash red twice** - Light and battery are connected

1. **Green** - 66% to 100% battery power remaining
2. **Yellow** - 33% to 66% battery power remaining
3. **Red** - 0 to 33% battery power remaining

# Operating your light

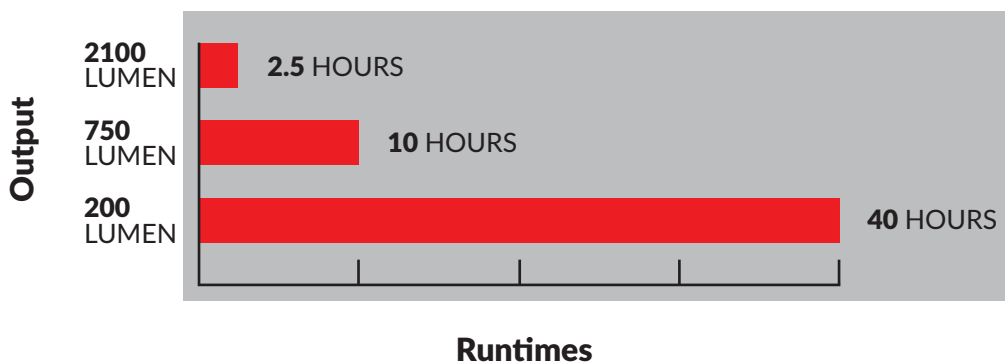
## E - Use & Care

Always follow the instructions below when using, cleaning and maintaining the Endurance Cycle Light:

- Only use a clean, damp cloth to clean the light unit and the battery pack.
- If cleaning your bicycle with a high-pressure cleaner, remove the light unit and the battery pack from your bicycle.
- Do not use the battery charger in damp or wet conditions, as this could damage the charger and battery pack, or cause an electrical fire.
- If using the Endurance Cycle light in wet riding conditions, dry the light unit and battery pack naturally in a warm room after riding. Do not dry the light unit or battery pack using a heat source.
- Always recharge discharged batteries before storage. Storing discharged batteries may destroy their ability to hold a charge.
- If the Endurance Cycle Light is not to be used for long periods, disconnect the battery from the lighting system, fully charge the battery, and store it in a cool place.

## Performance

### A - Light Output & Runtimes

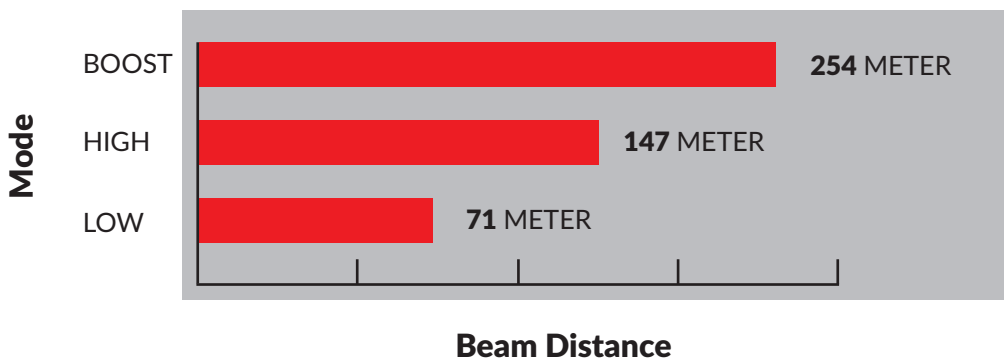


The chart above displays the expected lumen output and runtimes of each mode.

Actual lumen and runtimes can vary up to 10%.

# Performance

## B - Mode & Beam Distances



The chart above displays the modes and beam distances of each mode.

Beam distances are measured according to the ANSI FL-1 standard.

## Technical specifications

<b>Maximum power rating</b>	30 Watts			
<b>Light output vs. runtime vs. beam distance</b>	<b>Mode</b>	<b>Light output</b>	<b>Light runtime</b>	<b>Beam distance</b>
	Boost	2100 Lumen	2.5 hours	254 metres
	High	750 Lumen	10 hours	147 metres
	Low	200 Lumen	40 hours	71 metres
	Pulse	750 Lumen	15 hours	147 metres
<b>LED Light beam characteristics and reach</b>	Maximum beam distance	254 metres (to ANSI FL-1 standard)		
	LED Chip	3 x CREE XP-L HI LEDs		
	LED Colour	Natural white		
	Beam Width	16° Hot Spot fading into 180° Side Spill		
	Optics	Triple lens optics		
<b>Battery &amp; Pouch</b>	Battery	4 Cell 8.4V 5200mAh Rechargeable Lithium Ion Battery with 3 layers of physical protection		
	Battery Pouch	High-quality stretchable neoprene		
<b>Charger</b>	SABS approved 2-pin wall charger			
<b>Waterproofing</b>	IP66. Water projected in powerful jets (12.5mm nozzle) against the enclosure from any direction shall have no harmful effects. Not submersible or pressure sprayed.			
<b>Mass</b>	Light unit: 128g		Battery & Pouch: 272g	
	<b>Safeguards</b>			
Over-temperature protection: If the light overheats, the light will change to Low mode.				

## Troubleshooting

If the Endurance Cycle Light malfunctions or fails to operate, follow the steps in this section to identify and resolve possible problems.

### **The light does not work:**

1. Connect the battery pack to the light unit. Ensure that all wiring connector plugs are fully seated.
2. The LED indicator on the light unit should flash red twice. If it does not, charge the battery pack as described in this manual.

### **If the step above has been followed but the light still does not work:**

1. Press and hold the light switch for at least two seconds to switch the light unit on.
2. If a replacement battery pack is available, fully charge and connect the replacement battery pack to the light unit. If the light unit now functions, the original battery pack is faulty.

### **The battery is connected to the battery charger but the charger's LED indicator remains GREEN:**

1. Check that the battery charger is connected to a 220V AC mains plug and that the mains plug is switched ON.
2. If the charger's LED indicator still remains GREEN, the battery pack is fully charged and ready for use. Switch off the charger and disconnect the battery pack.

### **Battery life seems shorter than expected:**

1. Fully charge the battery pack as described in this manual.
2. If a battery pack is fully charged but does not seem to be giving its best performance, check the following:

#### **Is the battery more than three years old?**

Many lithium-ion batteries older than three years may need replacement.

#### **Has the battery been stored without being fully charged?**

This has a negative effect on the battery.

If you experience any problems with the Endurance Cycle light, please E-mail or call Extreme Lights for assistance. Give as much detail as you can, so we can assist you in the best possible way. Do not disassemble any part of the light unit or battery pack as this will void the product warranty.

## Warranty information

This Product comes with a 12 month warranty which comes into effect on date of sale.

Please note that in respect of the Product, Extreme Lights does not provide any warranty against normal wear and tear, and against any loss, damage or injury caused by modifications or alterations which are not approved in writing by Extreme Lights, use and/or maintenance that deviates from instructions given in this manual, accidents, accidental or deliberate misuse, negligence or mishandling. Unless expressly stated in the terms and conditions of this Warranty, Extreme Lights shall not be liable for direct, indirect, incidental, or other types of damages arising out of, or resulting from the use of this Product.

This Warranty is in lieu of all other warranties, express or implied, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose.

## Contact Extreme Lights



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