


STREAMLIGHT.
88081 Rechargeable
Flashlight



Streamlight 88081 Rechargeable Flashlight User Manual

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Streamlight 88081 Rechargeable Flashlight



Material/Lens

- 6000 series machined aircraft aluminum with an anodized finish

Dims/Weight Length:

- 9.53 in. (23.65 cm); Barrel Diameter: 1.24 in. (3.15 cm); Head Diameter: 2.35 in. (5.97 cm); Tri-Lobe Diameter: 2.29 in. (5.81 cm)

Weight:

- ProTac HL 5-X USB: 1 lb 3.4 oz (550 grams) with two SL-B26™ protected Li-Ion USB rechargeable battery pack
ProTac HL 5-X: 1 lb 2.4 oz (522 grams) with four CR123A lithium batteries

Light Source

- White LED technology for extreme brightness

Output/ Runtime

- Optimized electronics provides thermal management and regulated intensity.

TEN-TAP® Programming: Choice of three operating modes:

- **High** (SL-B26 battery pack): 3,500 lumens; 51,000 candela; 452m beam; runs 1.25 hours
- **High** (CR123A): 2,500 lumens; 37,000 candela; 385m beam; runs 1.5 hours
- **Medium**: 1,000 lumens; 14,100 candela; 237m beam; runs 2.5 hours (CR123A); runs 3 hours (SL-B26 battery pack)

- **Low:** 250 lumens; 3,620 candela; 120m beam; runs 10.5 hours (CR123A); runs 11.5 hours (SL-B26 battery pack)
- **Strobe for signaling or disorienting:** runs 1.5 hours (CR123A); runs 1.25 hours (SL-B26 battery pack)



Switch

Multi-function, easy access head mounted push-button switch. One handed operation of momentary, variable intensity or strobe mode. TEN-TAP® Programmable switch allows user selection of one of three different programs: high/strobe/low (factory default), high only, or low/med/high

Battery

Multi-fuel – uses two Streamlight SL-B26™ protected Li-Ion USB rechargeable battery pack; also accepts four CR123A lithium batteries

Features



IPX7; waterproof to 1m for 30 minutes; 1m impact resistance tested

- LED Solid State Power Regulation provides maximum light output throughout battery life
- Anti-roll face cap
- Sure grip rubber sleeve
- Serialized for positive identification.
- Approvals Meets applicable European Community directives. CEC Compliant (ProTac HL® 5-X USB only)

Warranty

Streamlight warrants this product to be free of defects for a lifetime of use except for batteries and bulbs, abuse and normal wear. We will repair, replace or refund the purchase price of this product should we determine it to be defective. This limited lifetime warranty also excludes rechargeable batteries, chargers, switches and electronics which have a 2 year warranty with proof of purchase. THIS IS THE ONLY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARE EXPRESSLY DISCLAIMED EXCEPT WHERE SUCH LIMITATION IS PROHIBITED BY LAW. You may have other specific legal rights which vary by jurisdiction. Visit streamlight.com for full warranty information.

Item	UPC	Part #
ProTac HL 5-X with four CR123A lithium batteries and wrist lanyard – Clam	080926-88074-0	88074
ProTac HL 5-X with four CR123A lithium batteries and wrist lanyard – Box – Black	080926-88075-7	88075
ProTac HL 5-X USB, includes two SL-B26 battery pack, dual USB cord and wrist lanyard – Clam	080926-88080-1	88080
ProTac HL 5-X USB, includes two SL-B26 battery pack, dual USB cord and wrist lanyard – Box	080926-88081-8	88081

	Item	UPC	Part #
	USB Cord A to Micro 40" (101cm)	080926-22070-6	22070
	USB A to USB MICRO 22" (55.88 cm)	080926-22081-2	22081
	USB Cord Y-Split	080926-22082-9	22082
	Li-Ion USB Battery Charger	080926-22100-0	22100
	SL-B26 Battery – 2pk	080926-22102-4	22102
	Lithium Batteries 2 Pack	080926-85175-7	85175
	Lithium Batteries 6 Pack	080926-85180-1	85180
	Lithium Batteries 12 Pack	080926-85177-1	85177
	Lithium Batteries 400 Pack	080926-85179-5	85179

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INTRODUCTION

A powerful source of illumination, the Streamlight 88081 ProTac HL 5-X USB 3500-Lumen Rechargeable Flashlight was created to satisfy the needs of both outdoor enthusiasts and professionals. At a price of **\$100.41**, this high-performance flashlight has a remarkable 3500 brightness output and a 452-meter beam range. Its MULTI-FUEL innovation provides a range of power options by being compatible with both CR123A lithium batteries and SL-B26 rechargeable battery packs. To accommodate different needs, the TEN-TAP programming system offers users three different lighting modes: low/medium/high, high only, and high/strobe/low. With its shock-resistant, long-lasting design and waterproof construction, the ProTac HL 5-X USB is made to survive harsh conditions and provide dependability in any setting. It comes with a wrist lanyard for convenience, a USB cord, and two rechargeable battery packs in a robust box. A Limited Lifetime Warranty supports Streamlight's dedication to excellence.

SPECIFICATIONS

Product Name	Streamlight 88081 ProTac HL 5-X USB 3500-Lumen Rechargeable Flashlight
Price	\$100.41
Special Features	Portable, Waterproof, High Power, Durable, Rechargeable
Color	Black
Power Source	Battery Powered
Light Source Type	LED
Material	Blend
Includes	Wrist lanyard, 2 SL-B26 battery packs, Dual USB cord
Light Source	Powerful LED technology, shock resistant, long-life LED
Shock Resistance	Yes
Programming	TEN-TAP programmable switch with three modes: high/strobe/low, high only, low/med/high
High (SL-B26 Battery Pack)	3,500 lumens, 452-meter beam, 1.25 hours runtime, 51,000 candela
High (CR123A)	2,500 lumens, 385-meter beam, 1.5 hours runtime, 37,000 candela
Medium	1,000 lumens, 237-meter beam, 2.5 hours (CR123A), 3 hours (SL-B26), 14,100 candela
Low	250 lumens, 120-meter beam, 10.5 hours (CR123A), 11.5 hours (SL-B26), 3,620 candela
Strobe	Runs 1.5 hours (CR123A), 1.25 hours (SL-B26)
Product Dimensions	9.53"D x 1.24"W x 2.35"H
Voltage	3.7 Volts (DC)
Light Path Distance	452 Meters
Battery Cell Composition	Lithium Ion
Item Weight	1.2 Pounds (approx. 544g)
Battery Requirement	1 Lithium Ion battery (included)
Water Resistance Level	Waterproof
Warranty	Limited Lifetime Warranty
Brightness	51,000 Candela
Runtime	1 hour (High mode)
Item Model Number	88081
Battery Description	Lithium-Ion

WHAT'S IN THE BOX

- USB Battery
- wrist lanyard
- Rechargeable Flashlight
- User Manual

FEATURES

- **High brightness:** (on SL-B26 battery pack) provides up to 3,500 lumens with a 452-meter beam distance.
- **Dual Power Options:** For adaptability, it may use either CR123A lithium batteries or SL-B26 rechargeable battery packs.
- It is waterproof, with an IPX7 rating that allows it to be immersed in water up to one meter for thirty minutes.
- **Several Light Modes:** For various applications, there are high, medium, low, and strobe modes.
- **Three user-selectable programs are available for TEN-TAP programming:** low/medium/high, high only, and high/strobe/low.
- **Momentary or Constant On:** This device has a push-button switch that makes it simple to operate the strobe, variable intensity, or momentary modes with one hand.
- **Shockproof LED:** Featuring a long-lasting, shock-resistant LED for dependable operation.
- Two SL-B26 rechargeable lithium-ion battery packs with a micro USB charging connector are included.
- **Strobe for Signaling:** In an emergency, the strobe mode is perfect for confusing or alerting people.
- Throughout the battery's life, steady brightness is guaranteed by solid state power regulation.
- **Thermal Management:** For longer-lasting performance, optimized electronics regulate heat.
- **Rugged Construction:** Constructed with a robust combination of materials that are intended to endure challenging circumstances.
- **Condensed Design:** Measuring 9.53" L x 1.24" W x 2.35" H, it is lightweight and convenient to store.
- **Lightweight:** With the rechargeable battery pack, it weighs only 1.2 lbs, providing portability without compromising functionality

SETUP GUIDE

- **Unpack the Flashlight:** Take out the USB charging cord, wrist lanyard, two SL-B26 battery packs, and flashlight from the box.
- **Place Battery Pack:** With the positive side facing up, place one of the SL-B26 lithium-ion battery packs inside the tailcap after opening it.
- **Close the Tailcap:** To guarantee a correct battery connection, firmly tighten the tailcap.
- Charge the battery pack by plugging the other end of the USB cord into a USB power source and connecting it to the flashlight's charging connector.
- **Power On:** To activate the flashlight in high mode, press the push-button switch.
- **Choose the Light Mode:** To choose between the high, medium, low, and strobe light modes, tap the switch.
- **Select Your Program:** Choose your desired mode (low/medium/high, high only, or high/strobe/low) using the TEN-TAP programmable switch.
- **Test Momentary Mode:** To activate the momentary-on function, which keeps the flashlight on for as long as the button is pressed, half-press the switch.
- **Attach the Wrist Lanyard:** To ensure safe handling, insert the wrist lanyard through the tailcap's tiny loop.
- **Verify Light Output:** Verify that the flashlight is producing a steady, powerful light output on the mode you have

chosen.

- Double-clicking the button will activate strobe mode, which is helpful for self-defense or signaling.
- **Make Sure It's Fully Charged:** To guarantee the best runtime, make sure the battery pack is fully charged before using it.
- **Verify Compatibility:** utilize two CR123A batteries (noting the polarity) in place of the rechargeable battery pack if you intend to utilize CR123A batteries.
- **Keep the Flashlight in a Cool Place:** Keep the flashlight out of direct sunlight and in a cool, dry location while not in use.
- **Maintain Extra Batteries:** In the event that the primary battery gets low, always keep extra batteries or a fully charged SL-B26 battery pack on hand.

CARE & MAINTENANCE

- **Clean the Lens Frequently:** Dust, grime, and fingerprints can be removed from the lens with a microfiber cloth.
- **Check the O-rings:** Make sure the O-rings are undamaged and intact for water resistance by conducting routine inspections.
- **Battery Pack Recharge:** To keep the SL-B26 battery packs operating at their full capacity, recharge them every few months if they are not in use.
- **Prevent Overcharging:** To avoid overcharging and prolong battery life, disconnect the charging cable as soon as the battery is fully charged.
- **Examine the Tailcap:** Make sure the tailcap switch is responsive and free of damage or obstructions by checking it on a regular basis.
- **Maintain a Clean Charging Port:** Before inserting the charging cable, make sure the USB charging port is clear of moisture or debris.
- **Store in a Dry Location:** Keep your flashlight out of the rain and away from high humidity at all times.
- **Protect the Body:** To avoid dents or scratches, do not drop the flashlight on hard surfaces.
- **Lubricate the Threads:** To ensure smooth functioning and stop corrosion, lubricate the tailcap's threads using a silicone-based lubricant.
- **Use the Lanyard:** To prevent unintentional drops, always carry the flashlight using the wrist lanyard.
- **Test Light Functions Frequently:** To guarantee correct operation, check each light mode on a regular basis.
- When necessary, change the batteries or recharge them if you observe a decrease in light output.
- **Steer Clear of Extreme Temperatures:** To avoid damaging the flashlight's battery, keep it out of the range of temperatures above 120°F (49°C) and below 0°F (-18°C).
- **Only Temporarily Submerge:** Although waterproof, restrict the amount of time submerged to prevent any possible long-term water damage to the internal parts.
- **Use in Safe Conditions:** To avoid overheating, avoid using the flashlight when it is charging or when it is subjected to a high electrical load.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Flashlight does not turn on.	Dead or improperly installed battery.	Replace battery and ensure it is installed correctly.
Dim light output.	Low battery or malfunctioning LED.	Charge or replace the battery and inspect the LED.
Flashlight flickering.	Battery contacts not making a solid connection.	Clean battery contacts and ensure proper connection.
Light does not charge.	Faulty USB cable or charging port issue.	Try a different USB cable or check the charging port.
Short runtime on high setting.	High power setting draining battery quickly.	Use medium or low settings for longer runtime.
The flashlight gets too hot.	Extended use on high mode or malfunction.	Allow the flashlight to cool and avoid prolonged use.
Flashlight beam is too narrow or wide.	Reflector misalignment or damaged.	Adjust the reflector or check for any damage.
The flashlight is not waterproof.	Damaged O-rings or incorrect sealing.	Inspect O-rings and ensure they are properly seated.
The light beam is not consistent.	Defective LED or power issue.	Check LED and battery, replace if needed.
Flashlight turns off unexpectedly.	Overheating or battery issue.	Let flashlight cool down and check battery health.
Strobe mode not working.	Battery power too low to operate strobe function.	Ensure sufficient charge in the battery.
Flashlight feels loose or wobbly.	Mounting or battery compartment issues.	Tighten parts and check for any loose components.
Flashlight does not switch modes.	Faulty switch mechanism or internal wiring issue.	Test switch and contact Streamlight for repairs.
Light output is inconsistent.	Incompatible battery type or failure.	Ensure you are using the correct battery type.
Difficulty adjusting light angle.	Clamp or mounting mechanism malfunction.	Check and adjust the mounting system.

PROS & CONS

PROS:

- Powerful 3500-lumen output with a 452-meter beam distance.
- **MULTI-FUEL** feature allows compatibility with both rechargeable and non-rechargeable batteries.
- User-friendly **TEN-TAP programmable switch** for customized lighting modes.
- Waterproof and shock-resistant design for durability in all conditions.
- Includes rechargeable battery packs, USB charging cord, and wrist lanyard for added value.

CONS:

- Slightly heavier than smaller tactical flashlights.
- High price compared to standard non-rechargeable flashlights.
- Rechargeable battery packs may require additional charging time.
- Limited runtime on high mode when using the rechargeable battery pack.
- The flashlight's large size may not be as convenient for pocket carry.

FREQUENTLY ASKED QUESTIONS

What is the brightness of the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight?

The Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight delivers an impressive 3,500 lumens on high, with a peak beam intensity of 51,000 candela, providing extreme brightness.

How far can the beam of the Streamlight 88081 ProTac HL 5-X USB reach?

The Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight has a beam distance of 452 meters on high, allowing users to see clearly over long distances.

How long does the battery last on high mode with the SL-B26 battery pack in the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight?

On high mode with the SL-B26 battery pack, the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight runs for 1.25 hours.

How long does the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight run on medium mode?

On medium mode, the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight runs for 2.5 hours with CR123A batteries and 3 hours with the SL-B26 battery pack.

How is the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight powered?

The Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight is powered by a lithium-ion SL-B26 battery pack, which is rechargeable and included with the flashlight.

What is the material construction of the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight?

The Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight is made from a blend of durable materials to withstand impact and the rigors of heavy use.

How do you operate the Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight with one hand?

The Streamlight 88081 ProTac HL 5-X USB Rechargeable Flashlight features a head-mounted push-button switch, allowing for easy one-handed operation for momentary, variable intensity, or strobe mode.

REFERENCE:[Streamlight-88081-Rechargeable-Flashlight-User-Manual-Device.Report](#)

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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