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Streamlight 76412

Streamlight PolyStinger LED HAZ-LO Flashlight User Manual

Model: 76412 | Brand: Streamlight

1. INTRODUCTION AND OVERVIEW

The Streamlight PolyStinger LED HAZ-LO is an intrinsically safe rechargeable flashlight designed for hazardous locations, atmospheres, and environments such as petrochemical, utility, and other heavy industrial applications. It features microprocessor-controlled intensity modes, a long-running moonlight mode, and advanced LED technology. The combination of rechargeable batteries and LED technology ensures low operating costs. The flashlight has a 50,000-hour LED lifetime and is constructed from super-tough, non-conductive nylon polymer with a camshaft-style grip. The lens is made from unbreakable polycarbonate with a scratch-resistant coating. Its deep-dish parabolic reflector provides a tight beam with optimal peripheral illumination for navigation. The multi-function, head-mounted electronic push-button on/off switch is designed for extended durability, tested at 1 million actuations. In moonlight mode, the PolyStinger LED HAZ-LO can operate for 20 days continuously.



The main body of the PolyStinger LED HAZ-LO flashlight, showing the side-mounted power button and durable nylon polymer construction.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

The PolyStinger LED HAZ-LO is intrinsically safe, meaning it is designed to prevent ignition of flammable gases, vapors, or dust in hazardous environments. Always ensure the flashlight is properly maintained and used according to its safety ratings to prevent accidents.



This logo signifies the flashlight's compliance with HAZ-LO Division 1 standards for intrinsically safe lighting.

3. PRODUCT FEATURES

- LED technology for extreme brightness
- IPX4 Rated for water resistant operation
- 3 meter impact resistance tested
- LED Charge-continuity indicator on charger base
- Compact, snap-in charger mounts in any position

4. SETUP

4.1 Charging the Flashlight

Before first use, fully charge the flashlight. The PolyStinger LED HAZ-LO includes both 120V AC and 12V DC chargers. Connect the appropriate charger to a power source and then to the charging base. Insert the flashlight into the charging base. The LED indicator on the charger base will illuminate to confirm that charging is in progress. A full charge typically takes several hours.



The PolyStinger LED HAZ-LO comes with both AC and DC charging options. Connect the appropriate charger to the charging base, then insert the flashlight into the base to begin charging. The LED indicator on the charger base will confirm charging status.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Mode Selection

The flashlight features a multi-function, head-mounted electronic push-button switch for operation. Press the button to cycle through the different light modes:

- **High:** Provides maximum brightness (130 lumens) for approximately 4 hours.
- **Low:** Offers reduced brightness (50 lumens) for extended runtime, approximately 12 hours.
- **Moonlight Mode:** For extremely long runtime (up to 20 days) at very low illumination (1.3 lumens). Activate by pressing and holding the switch for approximately 10 seconds past the regular low mode.



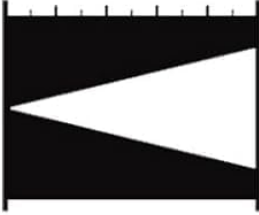
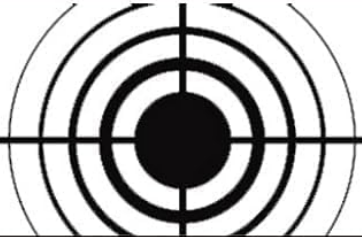




To turn the flashlight off, cycle through all modes until the light extinguishes, or press and hold the button for a few seconds in any mode.

5.2 Strobe Feature

The flashlight also includes a strobe feature, which can be used for signaling or disorienting. Consult the detailed instructions included with your product for specific activation sequences for the strobe mode.



This image demonstrates the flashlight's use in an industrial setting, highlighting its bright beam for detailed inspection.

FL 1 STANDARD	HIGH	LOW
	130 LUMENS	50 LUMENS
	4h	12h
	245m	151m
	15,000cd	5,700cd
		
	3m	3m

Moonlight mode: 20 days of continuous runtime
Product is tested per ANSI/NEMA FL-1 2009 standard

The flashlight provides bright illumination for inspecting elevated areas in industrial settings.



This table details the flashlight's performance: High mode provides 130 lumens for 4 hours with a 245m beam distance; Low mode provides 50 lumens for 12 hours with a 151m beam distance. Moonlight mode offers 20 days of continuous runtime.

6. MAINTENANCE

6.1 Cleaning

Clean the flashlight with a damp cloth. Do not use abrasive cleaners or solvents, as these may damage the nylon polymer body or lens coating.

6.2 Battery Care

To maximize battery life, fully charge the flashlight before initial use and recharge regularly. Avoid complete discharge for extended periods. Store the flashlight in a cool, dry place when not in use.

6.3 Lens Care

The polycarbonate lens is scratch-resistant. Clean with a soft, lint-free cloth to maintain optimal light output. Avoid touching the lens with bare hands to prevent smudges.

7. TROUBLESHOOTING

- **Flashlight does not turn on:** Ensure the battery is fully charged. Check for any obstructions in the charging port or switch mechanism.
- **Dim or flickering light:** Recharge the battery. If the issue persists, the battery may need replacement.

- **Charging indicator not working:** Verify the charger and charging base connections. Ensure the power source is active.

If issues persist after attempting these troubleshooting steps, please contact Streamlight customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	76412
Brand	Streamlight
Color	Yellow
Power Source	Battery Powered (Rechargeable NiCAD)
Light Source Type	LED
Material	Nylon
White Brightness (High)	130 Lumens
White Brightness (Low)	50 Lumens
Moonlight Mode	1.3 Lumens, 20 days runtime
Voltage	4.8 Volts (DC)
Light Path Distance (High)	245 Meters
Light Path Distance (Low)	151 Meters
Runtime (High)	4 hours
Runtime (Low)	12 hours
Water Resistance Level	IPX4 Rated (Water Resistant)
Impact Resistance	3 meters
Item Weight	16 ounces

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Streamlight PolyStinger LED HAZ-LO Flashlight comes with a limited lifetime warranty. This warranty covers manufacturing defects and ensures the product's quality and durability under normal use. For full details on warranty coverage, terms, and conditions, please refer to the official Streamlight website or the warranty card included with your product.

9.2 Customer Support

For technical assistance, troubleshooting, or to inquire about warranty claims, please visit the official Streamlight website at www.streamlight.com or contact their customer service department directly. Contact information can typically be found on the website or in the product packaging.

10. ADDITIONAL RESOURCES

10.1 Official Product Video

Watch the official video for an overview of the Streamlight PolyStinger series, including the HAZ-LO model, and demonstrations of its features and operation.

Your browser does not support the video tag.

Official video demonstrating the features and operation of the Streamlight PolyStinger LED, DS, and HAZ-LO series flashlights, including different models and their functionalities.