

Streamlight 69470

Streamlight TLR-10 Flex Tactical Weapon Light User Manual

Model: 69470

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Streamlight TLR-10 Flex Tactical Weapon Light. The TLR-10 Flex is a high-performance, rail-mounted tactical light featuring an integrated Class 3R red laser. It is designed for full-frame weapons, offering powerful illumination and precise targeting capabilities in various environments. The unit incorporates advanced LED technology, delivering 1,000 lumens of light with a 200-meter beam distance and optimized peripheral illumination. Constructed from durable 6000 series machined aircraft aluminum with a black anodized finish and an impact-resistant polymer switch housing, the TLR-10 Flex is built for reliability. Its BOROFLOAT® glass lens ensures resistance to high temperatures and shock. The device offers 1.5 hours of continuous run time with both light and laser, and 11 hours with the laser only. Ambidextrous rear switches provide easy operation across three selectable modes: LED only, laser only, and a combined LED and Laser mode, plus a strobe function. With an IPX4 water resistance rating and a wide operating temperature range, the TLR-10 Flex is suitable for extreme conditions and has undergone extensive live-fire testing.

2. SAFETY INFORMATION

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

Always handle the TLR-10 Flex and any attached weapon responsibly. Ensure the weapon is unloaded and safe before installing, removing, or performing maintenance on the light. Avoid direct eye exposure to the laser beam. Do not attempt to disassemble or modify the unit beyond the instructions provided in this manual.

3. PACKAGE CONTENTS

- Streamlight TLR-10 Flex Tactical Weapon Light
- 2 x CR123A Lithium Batteries
- Key Kit for weapon mounting
- User Guide (this document)

4. SPECIFICATIONS

Feature	Specification
Model Number	69470
Light Output (White LED)	1000 Lumens
Beam Intensity	10,000 Candela
Beam Distance	200 Meters
Laser Type	Class 3R Red Laser
Laser Output	<5mW
Laser Wavelength	640-660nm
Run Time (Light Only)	1.5 hours
Run Time (Laser Only)	11 hours
Power Source	2 x CR123A Lithium Batteries (included)
Voltage	6 Volts
Material	6000 Series Machined Aircraft Aluminum
Finish	Black Anodized
Lens Material	BOROFLOAT® Glass
Water Resistance	IPX4 (Water Resistant)
Operating Temperature	-40°F to +120°F (-40°C to +49°C)
Dimensions (L x W x H)	4.97" x 1.18" x 1.5"
Item Weight	4.5 ounces (0.28 Pounds)
Mounting Type	Rail Mount (Fast Rail Clamp)
Special Features	Ambidextrous Rear Switches, Strobe Mode, Safe Off Feature

RED AIMING BEAM

WEAPON-MOUNTED LIGHT

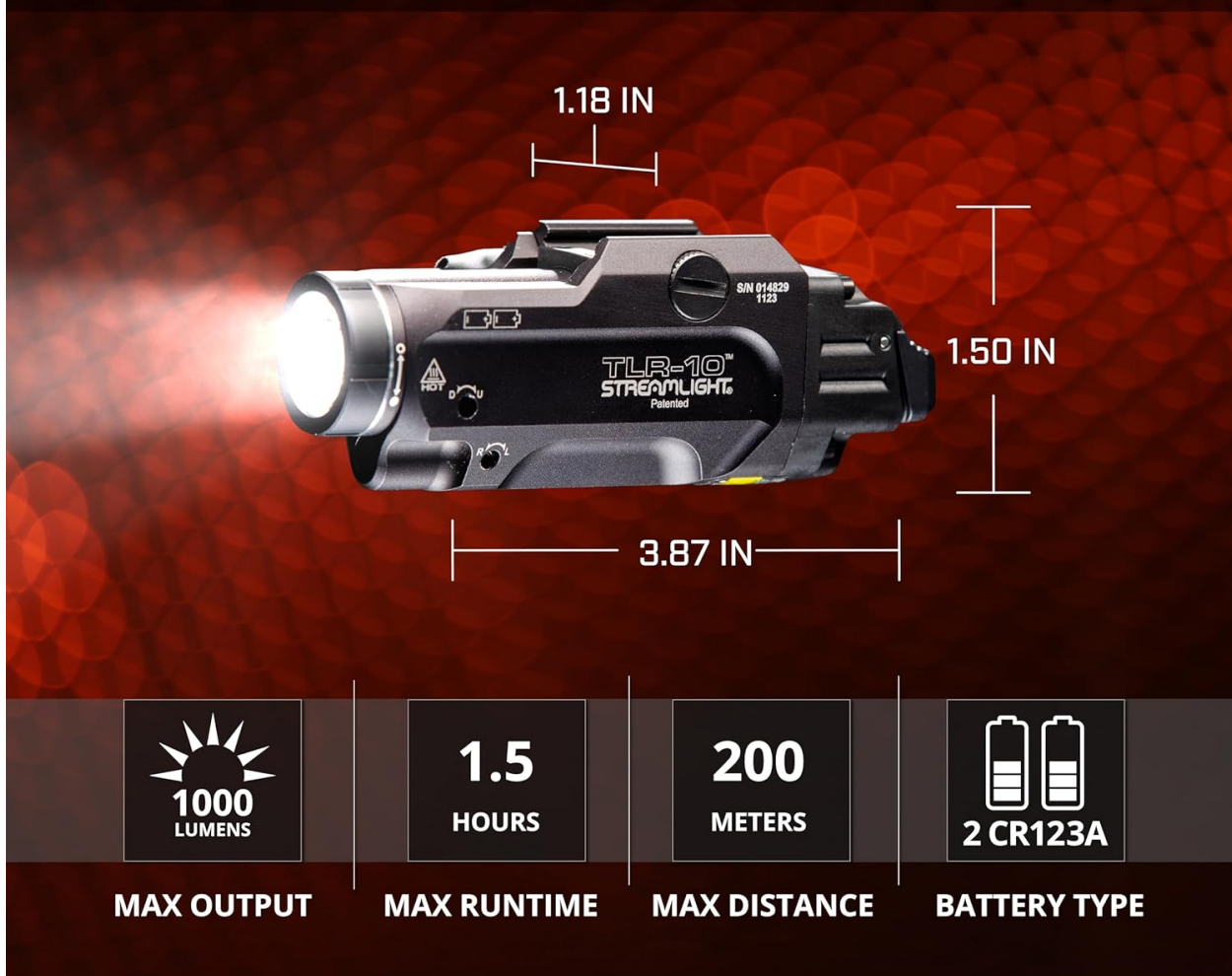


Image: The Streamlight TLR-10 Flex showing its key dimensions and performance metrics: 1000 lumens max output, 1.5 hours max runtime, 200 meters max distance, and uses 2 CR123A batteries.

5. SETUP

5.1 Battery Installation

1. Ensure the weapon is unloaded and safe.
2. Unscrew the head of the light counter-clockwise to open the battery compartment.
3. Insert two (2) CR123A lithium batteries with the positive (+) end facing forward (towards the light head).
4. Screw the head back on clockwise until secure.
5. Test the light to ensure proper function.



Image: Front view of the Streamlight TLR-10 Flex, showing the light head where batteries are installed and the rail clamp mechanism.

5.2 Mounting to a Weapon Rail

The TLR-10 Flex is designed for secure attachment to a broad range of weapon rails using the provided key kit. Refer to Streamlight's official fit guide for specific weapon compatibility before installation.

1. Ensure the weapon is unloaded and safe.
2. Select the appropriate key from the key kit that matches your weapon's rail system.
3. Loosen the rail clamp screw on the TLR-10 Flex.
4. Align the light with the weapon rail, ensuring the selected key fits into the rail slot.
5. Tighten the rail clamp screw securely. Do not overtighten.
6. Verify that the light is firmly attached and does not wobble.



Image: Side view of the Streamlight TLR-10 Flex, illustrating the rail clamp and the ambidextrous rear switches.

5.3 Rear Switch Options

The TLR-10 Flex comes with interchangeable rear switches to accommodate different grip styles. The "Low Switch" is suitable for a lower grip, while the "High Switch" is for a higher grip.



Low Switch for lower grip style



High Switch for higher grip style

Image: Comparison of the Streamlight TLR-10 Flex with the Low Switch and High Switch options, demonstrating how different rear switches can accommodate various grip preferences.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation (Light and Laser)

The TLR-10 Flex features ambidextrous rear switches for easy activation. The unit offers three primary modes: LED only, Laser only, and a combined LED and Laser mode.

- **Momentary Activation:** Press and hold either rear switch. Release to turn off.
- **Constant On:** Press and quickly release either rear switch. Press again to turn off.

6.2 Mode Selection

To cycle through the available modes (LED only, Laser only, LED & Laser), press and hold one of the rear switches, then quickly tap the other switch. Repeat this action to cycle to the next mode. The device will remember the last selected mode when turned off and on again.

6.3 Strobe Mode

To activate the strobe function, quickly double-tap either rear switch (within 0.4 seconds). To turn off the strobe, press and release either switch.

6.4 Safe Off Feature

The "Safe Off" feature prevents accidental activation and conserves battery life. To engage Safe Off, rotate the light head counter-clockwise approximately 1/4 turn until it clicks. To disengage, rotate clockwise until it clicks and is fully tightened.

6.5 Laser Aiming Adjustment

The integrated red laser can be adjusted for windage and elevation. Use a small flathead screwdriver or the appropriate tool from the key kit to make fine adjustments. The adjustment screws are typically located on the side and bottom of the laser housing. Turn the screws incrementally and test the laser's point of impact until it aligns with your desired aiming point.



Image: The Streamlight TLR-10 Flex mounted on a weapon, demonstrating the integrated red aiming laser in use.

7. MAINTENANCE

- **Cleaning:** Wipe the lens and body with a clean, soft cloth. For stubborn dirt, a damp cloth can be used. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the light output diminishes or the laser becomes weak. Always use fresh, high-quality CR123A lithium batteries. Dispose of old batteries according to local regulations.
- **O-Rings:** Periodically inspect the O-rings for wear and tear. Apply a thin coat of silicone grease to maintain water resistance.
- **Storage:** For long-term storage, remove the batteries to prevent leakage and store the unit in a cool, dry place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light/Laser does not turn on.	Dead or improperly installed batteries. Safe Off feature engaged.	Replace batteries with fresh ones, ensuring correct polarity. Disengage Safe Off by tightening the light head.
Light output is dim or flickers.	Low battery power. Loose connections.	Replace batteries. Ensure light head is fully tightened. Clean battery contacts if necessary.
Laser does not align properly.	Laser adjustment screws require calibration.	Refer to Section 6.5 for laser aiming adjustment instructions.
Light detaches or wobbles on rail.	Rail clamp not tightened sufficiently. Incorrect key used.	Ensure rail clamp screw is securely tightened. Verify the correct key is installed for your weapon's rail.
Water ingress.	Damaged or improperly seated O-rings. Light head not fully tightened.	Inspect O-rings for damage and replace if necessary. Ensure light head is fully tightened.

9. WARRANTY AND SUPPORT

The Streamlight TLR-10 Flex is covered by a **Limited Lifetime Warranty**. For detailed warranty information, service, or technical support, please visit the official Streamlight website or contact their customer service department.

Official Streamlight Store: [Visit the Streamlight Store on Amazon](#)

 <p>TLR-7/TLR-8 Series Operating Instructions / Instructions de fonctionnement Bedienungsanleitung / Bedienungsanleitung</p>	<p>Streamlight TLR-7/TLR-8 Series Weapon-Mounted Tactical Flashlight Operating Instructions</p> <p>Comprehensive operating instructions for the Streamlight TLR-7 and TLR-8 series weapon-mounted tactical flashlights, covering safety, installation, operation, maintenance, and warranty.</p>
 <p>TLR-7/TLR-8 Series Operating Instructions / Instructions de fonctionnement Bedienungsanleitung / Bedienungsanleitung</p>	<p>Streamlight TLR-7/TLR-8 Series Tactical Weapon Light Operating Instructions Manual</p> <p>Comprehensive operating instructions, safety warnings, installation, maintenance, and warranty information for the Streamlight TLR-7 and TLR-8 series tactical weapon lights.</p>
	<p>Streamlight TLR RM 1 / TLR RM 2 Series Weapon-Mounted Tactical Flashlight Operating Instructions</p> <p>Detailed operating instructions and safety guidelines for Streamlight TLR RM 1 and TLR RM 2 series tactical flashlights. Covers installation, battery replacement, switch functions, maintenance, warranty, and service information.</p>
 <p>TLR-1/TLR-2 Series Operating Instructions / Instructions de fonctionnement Bedienungsanleitung / Bedienungsanleitung</p>	<p>Streamlight TLR-1/TLR-2 Series Weapon Light Operating Manual and Instructions</p> <p>Comprehensive operating instructions, safety warnings, installation, and maintenance guide for Streamlight TLR-1 and TLR-2 series weapon-mounted lights. Includes details on laser zeroing, battery replacement, and warranty.</p>
 <p>TLR-1 HP LONG RANGE RAIL MOUNTED TACTICAL LIGHT</p>	<p>Streamlight TLR-1 HP Long Range Tactical Light: Specifications, Features, and Compatibility</p> <p>Comprehensive details on the Streamlight TLR-1 HP Long Range Rail Mounted Tactical Light, including technical specifications, features, accessory compatibility, firearm fitment, warranty information, and battery door operation. Designed for tactical applications.</p>
 <p>PROTAC 2.0 RAIL MOUNT</p>	<p>Streamlight Protac 2.0 Rail Mount Tactical Weapon-Mounted Flashlight</p> <p>Detailed information on the Streamlight Protac 2.0 Rail Mount, a high-lumen tactical weapon-mounted flashlight featuring USB-C rechargeable battery, multiple output modes, programmable switch, and durable construction. Includes specifications, included accessories, and warranty.</p>



[Streamlight Military Catalog: Professional-Grade Tactical & Weapon-Mounted Illumination Tools](#)

Explore the comprehensive Streamlight Military Catalog featuring professional-grade tactical flashlights, weapon-mounted lights, and illumination tools for military, law enforcement, and demanding professional applications. Discover innovative designs and reliable performance.

lang:i-klngon **score:18** filesize: 14.44 M page_count: 96 document date: 2024-05-15



[\[pdf\] Catalog](#)

2024 TACTICAL CATALOG STREAMLIGHT tactical catalog streamlight docs default source catalogs sfvrsn 76aa2df3 68 |||

PROFESSIONAL-GRADE ILLUMINATION TOOLS TACTICAL CATALOG LEADING THE INDUSTRY WITH THE GREATEST VARI ... vents accidental activation; saves batteries High Switch Low Switch ITEM # DESCRIPTION COO TAA **69470** TLR-10 Includes high switch mounted on light plus low switch in package, lithium batteries a...

lang:i-klngon **score:18** filesize: 13.85 M page_count: 104 document date: 2024-05-15



[Streamlight International Military Catalog: Professional Illumination Tools](#)

Explore Streamlight's comprehensive catalog of professional-grade illumination tools designed for international military and tactical applications. Discover high-performance flashlights, weapon-mounted lights, and lanterns built for durability and reliability.

lang:en **score:17** filesize: 25.02 M page_count: 84 document date: 2024-03-18



[Streamlight 2023 Retail Price List - Official Catalog](#)

Explore the comprehensive Streamlight 2023 Retail Price List, featuring a wide range of high-performance flashlights, headlamps, lanterns, and accessories for professionals and consumers. Find product specifications, model numbers, and pricing information.

lang:de **score:17** filesize: 2.91 M page_count: 76 document date: 2023-03-06



[\[pdf\] Catalog](#)

2023 STREAMLIGHT® TACTICAL CATALOG STREAMLIGHT Streamlight Strion DS® LED Flashlight with Charger and 2 Holders Black Tactical Catalog v 1691042585 quot cdn shopify s files 1 0537 7916 9453 |||

S TRE A MLIGHTLIGHTING THE WAY FOR 50 YEARS 2001 1989 1998 1999 1973 Streamlight founded by eng ... ROGRAMMABLE STROBE FUNCTION Safe Off feature prevents accidental activation; saves batteries PART# **69470** 69471 69472 DESCRIPTION FLEX INCLUDES HIGH SWITCH MOUNTED ON LIGHT PLUS LOW SWITCH IN PACKAG...

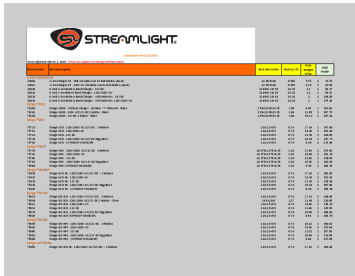
lang:en **score:17** filesize: 15.84 M page_count: 94 document date: 2023-01-12



[\[pdf\] Catalog](#)

2023 FULL LINE CATALOG STREAMLIGHT fulllinecatalog streamlight docs default source catalogs Catalogue Complet Outils d éclairage sfvrsn 603a2df3 44 39 DOWNLOAD View Product Catalogs ||| PROFESSIONAL-GRADE ILLUMINATION TOOLS SINCE 1973, WE VE BEEN FOCUSED ON LIGHTING THE WAY IN INNOVA ... s batteries STROBE Double tap switch to activate High Switch Low Switch ITEM # DESCRIPTION **69470** TLR-10 FLEX INCLUDES HIGH SWITCH MOUNTED ON LIGHT PLUS LOW SWITCH IN PACKAGE, LITHIUM BATTER...

lang:en **score:17** filesize: 34.41 M page_count: 164 document date: 2023-04-03

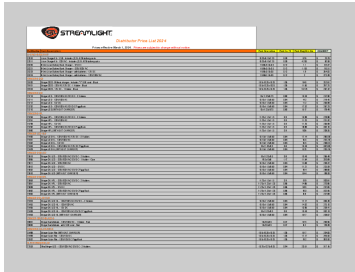
A screenshot of a Streamlight distributor price list for 2023. The document is a multi-page spreadsheet with a header section containing the Streamlight logo and product categories. The main body of the document is a table with multiple columns, including product descriptions, part numbers, and prices. The table is organized into sections for different product lines, such as 'Streamlight 3' and 'Streamlight 23'.

[\[pdf\] Price List](#)

Streamlight 3 1 23 Price list.xlsx Chris Parker myvendorlink external vfile d vrf s 141727 v 89288 sv 0 i 193 ft b |||

Distributor Price List 2023 Prices effective March 1, 2023. Prices are subject to change without not ... 2.26 389.55 2.26 389.55 2.26 389.55 2.26 389.55 69431 69437 69438 69439 69414 69434 69464 **69470** 69473 69191 69192 69440 69441 69442 69445 69446 69443 69444 69450 69451 TLR-8 G sub for GLOC...

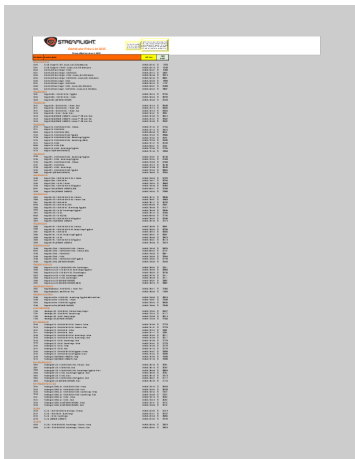
lang:de score:14 filesize: 978.19 K page_count: 52 document date: 2023-04-04

A screenshot of a Streamlight distributor price list for 2024. The document is a multi-page spreadsheet with a header section containing the Streamlight logo and product categories. The main body of the document is a table with multiple columns, including product descriptions, part numbers, and prices. The table is organized into sections for different product lines, such as 'Streamlight 2024' and 'Streamlight 2025'.

[Streamlight 2024 Distributor Price List | Portable Lighting Equipment](#)

Official 2024 Distributor Price List from Streamlight, featuring a comprehensive range of portable lighting solutions including flashlights, headlamps, and accessories. Prices effective March 1, 2024.

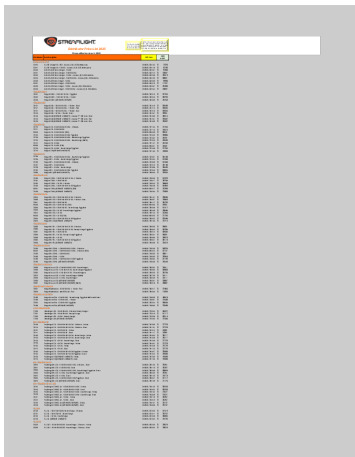
lang:de score:14 filesize: 542.25 K page_count: 18 document date: 2024-03-13

A screenshot of a Streamlight distributor price list for 2025. The document is a multi-page spreadsheet with a header section containing the Streamlight logo and product categories. The main body of the document is a table with multiple columns, including product descriptions, part numbers, and prices. The table is organized into sections for different product lines, such as 'Streamlight 2025' and 'Streamlight 2026'.

[Streamlight 2025 Distributor Price List - Official Product Catalog and Pricing](#)

Official Streamlight 2025 Distributor Price List featuring a comprehensive catalog of flashlights, headlamps, and lighting accessories. Find product details, model numbers, and pricing for professional and consumer applications.

lang:de score:14 filesize: 442.39 K page_count: 12 document date: 2025-06-03

A screenshot of a Streamlight distributor price list for 2025. The document is a multi-page spreadsheet with a header section containing the Streamlight logo and product categories. The main body of the document is a table with multiple columns, including product descriptions, part numbers, and prices. The table is organized into sections for different product lines, such as 'Streamlight 2025' and 'Streamlight 2026'.

[Streamlight 2025 Distributor Price List](#)

This document is the 2025 distributor price list for Streamlight products, detailing various flashlight models, their part numbers, descriptions, UPC codes, and MSRP.

lang:de score:13 filesize: 442.39 K page_count: 12 document date: 2025-06-12

[pdf] Price List

Melani Dalton Distributor Price List 2025 VendorLinkProTac Rail Mount HL X Laser Includes remote switch tail retaining clips mounting hardware 2 CR123A lithium batteries EALtem 193 Buildmyvendorlink external vfile d vrf s 179003 v 12017 sv i ft b |||

Distributor Price List 2025 Prices effective June 2, 2025. Part Number Item Description LI-ION C ... 418 69419 69431 69437 69438 69439 69465 69475 69466 69467 69468 69469 69476 69477 69478 69479 69464 **69470** 69473 69191 69192 69440 69441 69442 69445 69446 69443 69444 69483 69484 69450 69451 69447 6944...

lang:en score:9 filesize: 684.96 K page_count: 40 document date: 2025-06-04

STREAMLIGHT			
Distributor Price List 2025			
Prices effective June 2, 2025			
Part Number	Part Name	Unit Price	MSRP
69419	LI-ION C 418	\$ 20.00	\$ 20.00
69431	LI-ION C 418	\$ 20.00	\$ 20.00
69437	LI-ION C 418	\$ 20.00	\$ 20.00
69438	LI-ION C 418	\$ 20.00	\$ 20.00
69439	LI-ION C 418	\$ 20.00	\$ 20.00
69465	LI-ION C 418	\$ 20.00	\$ 20.00
69475	LI-ION C 418	\$ 20.00	\$ 20.00
69466	LI-ION C 418	\$ 20.00	\$ 20.00
69467	LI-ION C 418	\$ 20.00	\$ 20.00
69468	LI-ION C 418	\$ 20.00	\$ 20.00
69469	LI-ION C 418	\$ 20.00	\$ 20.00
69476	LI-ION C 418	\$ 20.00	\$ 20.00
69477	LI-ION C 418	\$ 20.00	\$ 20.00
69478	LI-ION C 418	\$ 20.00	\$ 20.00
69479	LI-ION C 418	\$ 20.00	\$ 20.00
69464	LI-ION C 418	\$ 20.00	\$ 20.00
69470	LI-ION C 418	\$ 20.00	\$ 20.00
69473	LI-ION C 418	\$ 20.00	\$ 20.00
69191	LI-ION C 418	\$ 20.00	\$ 20.00
69192	LI-ION C 418	\$ 20.00	\$ 20.00
69440	LI-ION C 418	\$ 20.00	\$ 20.00
69441	LI-ION C 418	\$ 20.00	\$ 20.00
69442	LI-ION C 418	\$ 20.00	\$ 20.00
69445	LI-ION C 418	\$ 20.00	\$ 20.00
69446	LI-ION C 418	\$ 20.00	\$ 20.00
69443	LI-ION C 418	\$ 20.00	\$ 20.00
69444	LI-ION C 418	\$ 20.00	\$ 20.00
69483	LI-ION C 418	\$ 20.00	\$ 20.00
69484	LI-ION C 418	\$ 20.00	\$ 20.00
69450	LI-ION C 418	\$ 20.00	\$ 20.00
69451	LI-ION C 418	\$ 20.00	\$ 20.00
69447	LI-ION C 418	\$ 20.00	\$ 20.00
69448	LI-ION C 418	\$ 20.00	\$ 20.00