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> Xprite 48" Amber Emergency Strobe Bar Lights Black Hawk Hevy-duty Rooftop Security Flashing Hazard Warning Lightbar for Tow Trucks
Construction Vehicles Traffic Pilot Cars Snowplow User Manual

Xprite SL-B419-48IN-G1-Y

Xprite Black Hawk Series 48" Emergency Strobe Light Bar User Manual

Model: SL-B419-48IN-G1-Y
Brand: Xprite

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Xprite Black Hawk Series 48" Emergency Strobe Light Bar. Designed for professional use, this light bar offers superior visibility and durability for various specialty vehicles.

The Black Hawk Series features advanced TIR LED technology, providing 360-degree lighting coverage with high-intensity output. Its robust, weatherproof construction ensures reliable performance in demanding conditions. Please read this manual thoroughly before installation and use to ensure proper function and safety.

PACKAGE CONTENTS

Upon opening the package, please verify that all the following components are included:

- 1 x 48" Black Hawk Lightbar
- 1 x Mounting Brackets (set)
- 1 x Control Box
- 1 x Instructions Manual (this document)

If any items are missing or damaged, please contact Xprite customer support immediately.

SPECIFICATIONS

Feature	Detail
Model	SL-B419-48IN-G1-Y
Voltage	12V DC (Compatible with 10-30V DC power source)
Dimensions (L x W x H)	48 x 11.8 x 1.8 inches
Weight	25.5 pounds

LED Technology	6th Generation TIR LED
Number of LED Modules	22 modules (4x3W LEDs per head, total 88 LEDs)
Strobe Patterns	15 different Amber Strobe Patterns
Additional Lighting	White Front Center and Side Spot Lights (operates separately)
Cable Length	12 feet (power cable)
Durability	Fully encapsulated electronics, IP67 Weather-Proof, Shockproof, Dustproof
Life Expectancy	Over 50,000 hours



Figure 1: Product Dimensions. The light bar measures 48.82 inches in length, 11.97 inches in width, and 3.94 inches in height, with a base width of 11.03 inches.

SETUP AND INSTALLATION

The Xprite Black Hawk light bar is designed for easy installation on vehicle rooftops. Professional installation is recommended to ensure optimal performance and safety.

Mounting the Light Bar

The light bar comes with permanent mounting brackets that are adjustable to fit various vehicle rooftops. The brackets are made of stainless steel and include protective rubber feet to prevent damage to your vehicle's surface. No drilling is required for the light bar itself, as it clamps onto the vehicle's frame.



Figure 2: Mounting Features. The light bar utilizes stainless steel brackets with protective rubber feet and adjustable legs for secure, no-drilling installation on vehicle rooftops.

Ensure the light bar is securely fastened to prevent movement during vehicle operation. The adjustable fitment allows for use with a variety of specialty vehicles, including tow trucks, construction vehicles, and pilot cars.



Figure 3: Vehicle Compatibility. The light bar is designed for adjustable fitment across a wide range of specialty vehicles, ensuring broad applicability.

Wiring Connection

The light bar includes a 12-foot power cable for connection to your vehicle's 12V DC power source. The control box should be mounted in an accessible location within the vehicle's cabin.

- Connect the power cable from the light bar to the control box.
- Connect the control box to a 10-30 volt DC power source in your vehicle. It is recommended to connect to an ignition-switched power source to prevent parasitic drain when the vehicle is off.
- Ensure all connections are secure and properly insulated to prevent short circuits and water ingress.

OPERATING INSTRUCTIONS

The Xprite Black Hawk light bar is operated via the included control box, which allows for selection of various strobe patterns and control of auxiliary lighting functions.



Figure 4: Control Box. The control box features buttons for selecting 15 strobe/flash patterns, 4 directional patterns, 2 take-down lights, and 2 alley lights.

- **Power On/Off:** Use the main power button on the control box to turn the light bar on or off.
- **Strobe Pattern Selection:** The control box features buttons to cycle through 15 different amber strobe flashing patterns. The light bar has a memory function that recalls the last pattern used when powered on.
- **Auxiliary Lights:** The light bar includes white front center and side spot lights (also known as take-down and alley lights). These can be operated separately from the amber strobe functions via dedicated buttons on the control box.
- **Directional Patterns:** The control box also provides options for directional patterns, such as alternating left to right or right to left, and traffic advisor functions.

The light bar provides 360-degree lighting coverage, ensuring maximum visibility from all angles, day or night. Its high-intensity LEDs can be seen up to 1/2 mile away.



Figure 5: Lighting Coverage. The light bar features 22 modules with 88 LEDs, offering 360-degree coverage and visibility up to 2000 feet (approximately 0.38 miles) for enhanced safety.

MAINTENANCE

The Xprite Black Hawk light bar is designed for durability and minimal maintenance. Adhering to these guidelines will help prolong its lifespan and ensure continued performance.

- **Cleaning:** Periodically clean the lens and housing with a soft cloth and mild soap and water. Avoid abrasive cleaners or solvents that could damage the plastic lens or finish.
- **Inspection:** Regularly inspect the mounting brackets and wiring connections for any signs of wear, corrosion, or looseness. Tighten any loose fasteners and repair or replace damaged wiring as needed.
- **Weather Protection:** While the unit is IP67 weather-proof, ensuring proper sealing of all connections during installation will further protect the electronics from moisture.



Figure 6: Durable Construction. The light bar features a professional build with sealed LED modules and an aluminum alloy base, designed for long-term reliability.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Xprite Black Hawk light bar.

Problem	Possible Cause	Solution
Light bar does not turn on.	No power, loose connection, blown fuse, faulty control box.	Check power source, inspect all wiring connections, check vehicle's fuse box, test control box.
Some LED modules are not working.	Individual LED module failure.	Contact Xprite customer support for replacement modules.

Light bar drains vehicle battery.	Connected to a constant power source, parasitic draw.	Ensure the light bar is connected to an ignition-switched power source. If the issue persists, consult a professional auto electrician.
Interference with vehicle electronics (e.g., CB radio).	Electromagnetic Interference (EMI) / Radio Frequency Interference (RFI).	While the product is designed to minimize interference, some sensitive electronics may be affected. Ensure proper grounding and consider professional consultation if severe interference occurs.
Control box labels peeling.	Wear and tear.	This is a cosmetic issue and does not affect functionality.

If you encounter problems not listed here or require further assistance, please contact Xprite customer support.

WARRANTY AND SUPPORT

Xprite stands behind the quality of its products. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Xprite website.

Xprite is committed to providing excellent customer service. If you have any questions, concerns, or require technical assistance, please contact our support team:

- **Xprite Official Website:** www.xpriteusa.com
- **Xprite Amazon Store:** [Visit the Xprite Store on Amazon](#)

Please have your product model number (SL-B419-48IN-G1-Y) and purchase information ready when contacting support.

PRODUCT VIDEOS

There are currently no official seller-provided videos available for this product in the provided data. Please refer to the images and text descriptions for visual guidance.

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