LIGHTFOX LF-LB-30DR-P-UFA

LIGHTFOX 30 Inch LED Light Bar Instruction Manual

Brand: LIGHTFOX | Model: LF-LB-30DR-P-UFA

1. Introduction

This instruction manual provides comprehensive guidance for the safe and effective use of your LIGHTFOX 30 Inch LED Light Bar. Designed for off-road applications, this dual-row LED light bar offers powerful illumination with a spot and flood combo beam pattern. Please read this manual thoroughly before installation and operation to ensure optimal performance and safety.

2. Safety Information

Observe the following safety precautions to prevent injury or damage to the product and vehicle:

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Mount the light bar securely to prevent detachment during vehicle operation.
- Do not look directly into the light bar when it is illuminated, as it can cause eye damage.
- Verify that the light bar's voltage (12V DC) matches your vehicle's electrical system.
- Consult local regulations regarding the use of auxiliary lighting on public roads.

3. Package Contents

Verify that all items are present in your package:

- LIGHTFOX 30 Inch LED Light Bar
- Mounting Brackets (Side and Rear Mount Options)
- Hardware (Bolts, Nuts, Washers, Allen Key)
- DT Plug Connector
- Interchangeable Color End Caps (Yellow, Orange, Grey, Black, Red)

- User Manual

4. Setup and Installation

4.1 Mounting the Light Bar

The LIGHTFOX LED Light Bar offers dual mounting options: side mount and rear mount. Choose the appropriate method for your vehicle (e.g., bull bar, roof rack, UTV roof).



Figure 1: Dual Mounting Options. The light bar can be mounted using side brackets or rear brackets, providing flexibility for various vehicle installations.

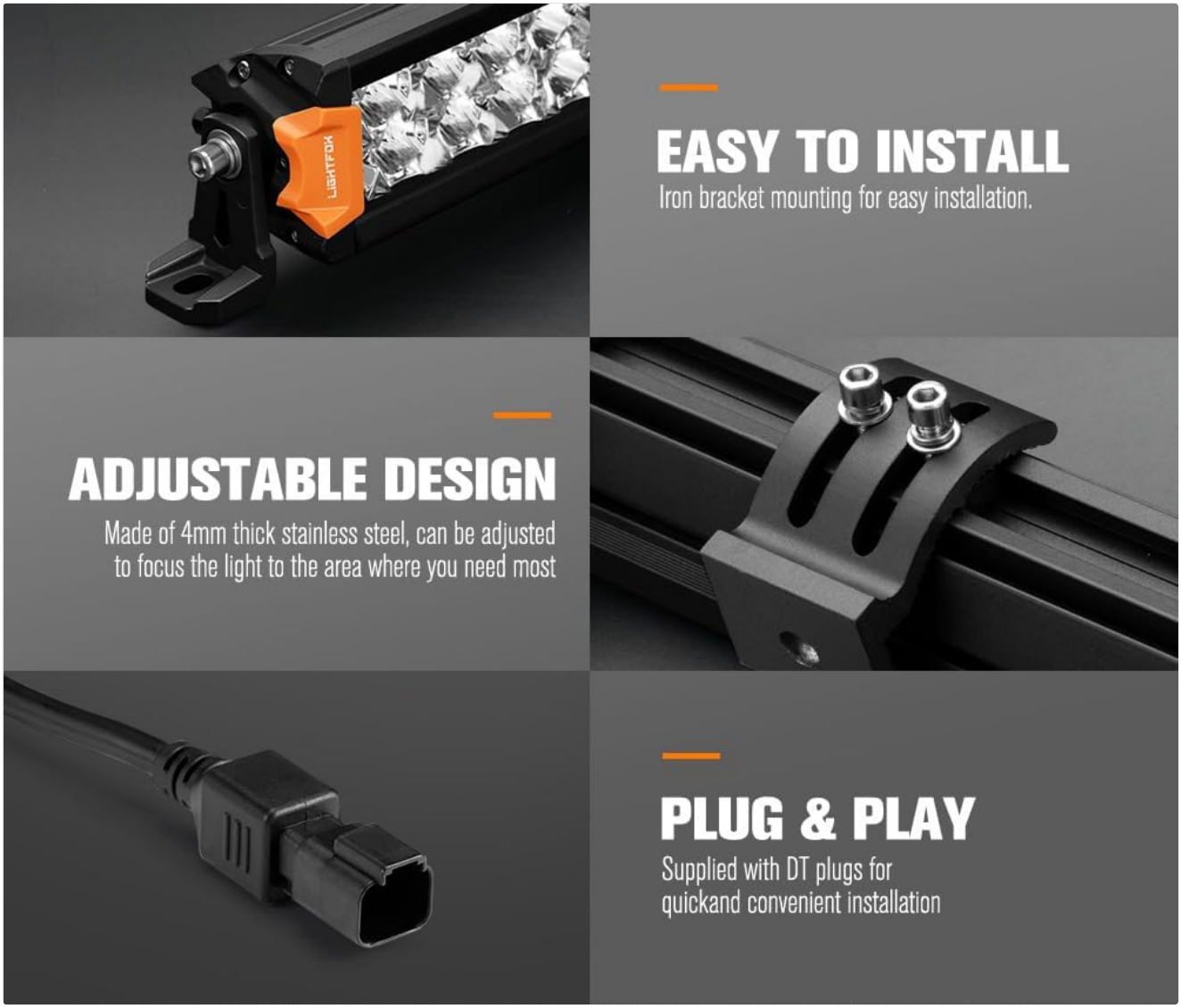


Figure 2: Easy Installation. The light bar features iron bracket mounting for secure attachment, an adjustable design for beam direction, and plug-and-play DT connectors for simplified wiring.

4.2 Wiring Instructions

The light bar comes with a DT plug for quick and convenient installation. Ensure proper positive and negative connections to your vehicle's 12V DC power source. It is recommended to use a relay and fuse for protection.

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Video 1: LIGHTFOX Single Row LED Light Bar Product Video. This video demonstrates the product features and provides a visual guide for the installation process, including mounting and wiring connections.

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Video 2: LIGHTFOX Single Row LED Light Bar Use On Road. This video showcases the light bar's performance in various driving conditions, including off-road and night driving, highlighting its illumination capabilities.

5. Operating Instructions

Once installed, operate the LIGHTFOX LED Light Bar using a compatible switch (not included). The light bar provides a combination of 13° spot beam and 90° flood beam for versatile illumination.

- Connect the light bar to a 12V DC power source via a switch.
- Activate the switch to turn the light bar ON.

- Deactivate the switch to turn the light bar OFF.
- Adjust the mounting angle as needed to optimize the beam direction for your specific driving or work conditions.



Figure 3: Beam Pattern and Color Temperature. This image displays the effective light distribution, combining a focused spot beam with a wide flood beam, and highlights the 5000K color temperature for reduced eye strain.

6. Maintenance

Regular maintenance ensures the longevity and performance of your LED light bar:

- Clean the lens regularly with a soft cloth and mild soap to remove dirt and debris. Avoid abrasive cleaners.
- Inspect wiring and connections periodically for any signs of wear, corrosion, or damage.
- Ensure mounting hardware remains tight and secure.
- Check the breather system for obstructions to prevent condensation buildup.

7. Troubleshooting

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light bar does not illuminate	No power, loose connection, blown fuse, faulty switch	Check power supply, tighten connections, replace fuse, test switch
Dim or flickering light	Low voltage, poor ground connection, damaged wiring	Verify voltage, check ground, inspect and repair wiring
Moisture inside lens	Obstructed breather, damaged seal	Clear breather, inspect seals for damage and replace if necessary

8. Specifications

Feature	Specification
Model Number	LF-LB-30DR-P-UFA
Dimensions (L x W x H)	30" x 2.94" x 2.74"
Weight	8.38 Pounds
Wattage	166W (Advertised), 180W (Manufacturer)
Lumen Output	14,300LM
Voltage	12 Volts (DC)
Light Source Type	LED
Beam Pattern	13° Spot / 90° Flood Combo
Color Temperature	5000K
Material	Die-cast Aluminum Body, PC Lens
Waterproof Rating	IP68
Lifespan	Up to 50,000 hours

9. Warranty and Support

The LIGHTFOX 30 Inch LED Light Bar comes with a 5-year warranty, guaranteeing the quality of the product. For technical support, warranty claims, or any inquiries, please contact LIGHTFOX customer service through the retailer where the product was purchased.

10. Product Media

10.1 Product Images



Figure 4: Front view of the LIGHTFOX 30 Inch LED Light Bar, showcasing its dual-row design and integrated DT plug.



Figure 5: Close-up of the light bar's end cap, highlighting the personalized customization options with various color caps (yellow, orange, grey, black, red).



Figure 6: The light bar is shown with water droplets, illustrating its IP68 waterproof protection against harsh conditions.



Figure 7: Examples of the light bar installed on different vehicles, including trucks, UTVs, and ATVs, for off-road and emergency lighting applications.



Figure 8: The light bar mounted on a truck, emphasizing its heavy-duty construction with AkzoNobel powder coating and forged iron brackets for durability.



Figure 9: Detailed product dimensions in millimeters, showing the overall length and height of the light bar and its mounting points.

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