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› SYLVANIA Rugged 20 Inch Flood LED Light Bar Instruction Manual

SYLVANIA RGBAR20INFLV2.BX

SYLVANIA Rugged 20 Inch Flood LED Light Bar Instruction Manual

MODEL: RGBAR20INFLV2.BX

1. Introduction and Product Overview

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SYLVANIA Rugged 20 Inch Flood LED Light Bar. Designed for off-road applications, this light bar delivers intense illumination and is built to withstand harsh environments.

Key features include a rugged aluminum body, IP69k waterproof rating, 7200 raw lumens, and a wide flood beam pattern for enhanced visibility in slower speed applications.



Image 1.1: The SYLVANIA Rugged 20 Inch Flood LED Light Bar, shown both in its retail packaging and as a standalone unit with mounting brackets.

2. Safety Information

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, personal injury, or voiding of the warranty.

- **Electrical Safety:** Always disconnect the vehicle's battery before performing any electrical work. Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- **Installation:** Ensure the mounting location is structurally sound and can support the weight of the light bar. Do not obstruct vehicle safety features or lighting.
- **Eye Protection:** Wear appropriate eye protection during installation to prevent injury from tools or debris.
- **Heat:** The light bar housing may become hot during operation. Avoid touching it directly after extended use.
- **Vehicle Compatibility:** This light bar is designed for 12V DC systems. Verify your vehicle's electrical system before installation.



BUILT FOR ANY ADVENTURE

 **WATERPROOF & DUSTPROOF IP69K**

SYLVANIA
OFF ROAD

LIFETIME WARRANTY
GARANTÍA DE
POR VIDA*

Visit sylvania.com for details

Image 2.1: An off-road vehicle equipped with the SYLVANIA light bar, illustrating its ruggedness, IP69K waterproof rating, and the lifetime limited warranty.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- 1x SYLVANIA Rugged 20 Inch Flood LED Light Bar
- 2x Coated Steel Mounting Brackets
- Mounting Hardware (bolts, nuts, washers)

Note: A wiring harness is required for installation and is sold separately. Consider SYLVANIA wiring harness kits (part number LBARHRNS1PBX or LBARHRNS4PBX for multiple lights) for a professional finish.



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**INCLUDED MOUNTING
HARDWARE**

Wiring harness required
(sold separately)

Image 3.1: The SYLVANIA Rugged 20 Inch Flood LED Light Bar shown with its included mounting brackets and hardware. A wiring harness is not included.

4. Specifications

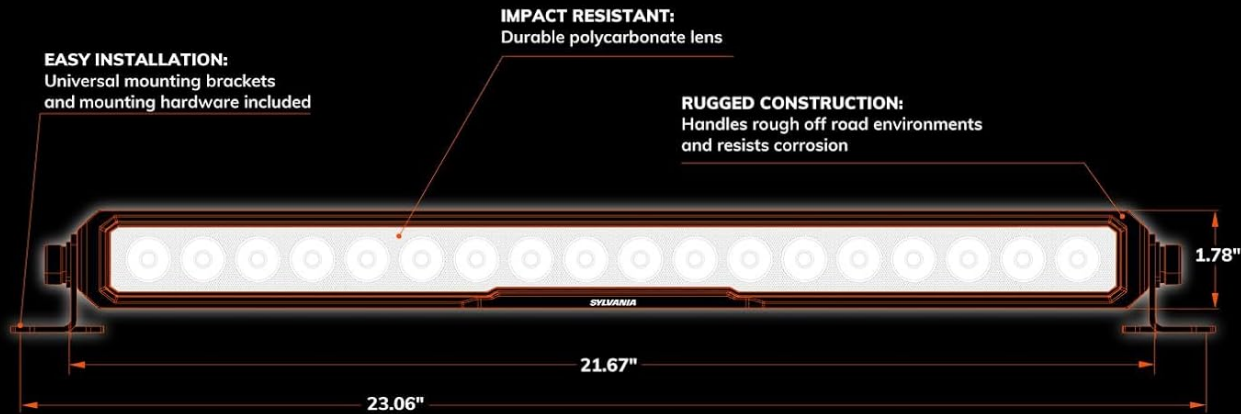
Feature	Specification
Model Number	RGBAR20INFLV2.BX
Light Type	LED Flood Light Bar
Length	20 Inches (approx. 23.06 inches overall with mounts)
Raw Lumens	7200
Color Temperature	6300K Cool White Light

Wattage	50.4 watts
Waterproof Rating	IP69K (complete protection from dust and high-pressure water)
Lens Material	Polycarbonate
Body Material	Rugged Aluminum
Vehicle Service Type	Truck, Boat, ATV, UTV, SUV, 4x4 (Universal Fit)
Item Weight	3.64 pounds
Package Dimensions	25 x 4.7 x 4.1 inches

DESIGNED TO PERFORM

INCLUDED IN THE BOX:
1 – 10" Light Bar
2 – Universal mounting
brackets
Mounting hardware

Wiring harness required
(sold separately)



SYLVANIA
OFF ROAD

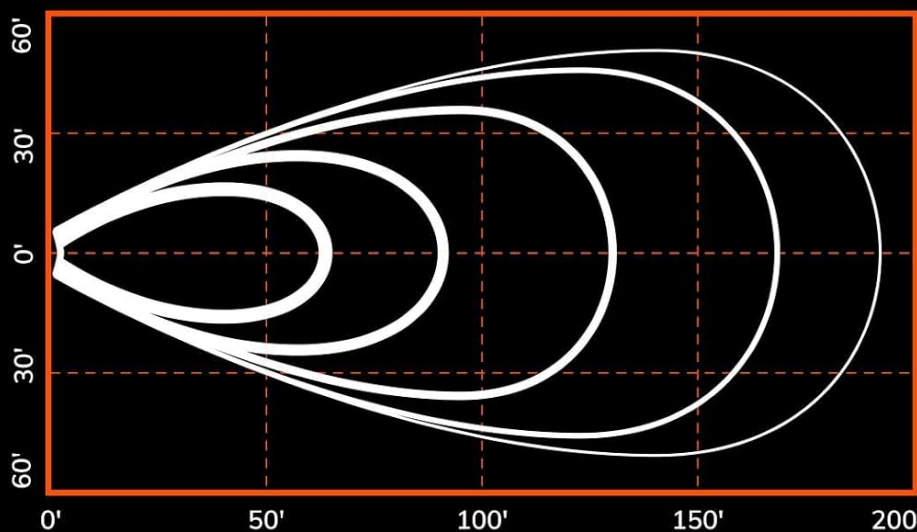
Image 4.1: Technical diagram illustrating the dimensions of the SYLVANIA Rugged 20 Inch Flood LED Light Bar, including its length and height.

SUPERIOR OPTICAL ENGINEERING

Super wide flood beam
for a wider field of vision*

18
OSRAM LEDS

7200
RAW LUMENS



SYLVANIA
OFF ROAD

* Compared to SYLVANIA
Off Road spot lights

Image 4.2: Optical engineering diagram demonstrating the superior wide flood beam pattern, designed for a wider field of vision, especially useful in slower speed applications.

5. Setup and Installation

Proper installation is crucial for the performance and longevity of your light bar. If you are unsure about any steps, it is recommended to seek professional assistance.

1. **Plan Mounting Location:** Identify a suitable, secure location on your vehicle (e.g., bumper, roof rack) that does not obstruct vision or vehicle functions. Ensure the surface is flat and strong enough to hold the light bar.
2. **Prepare for Wiring:** Disconnect the vehicle's negative battery terminal to prevent electrical shorts during installation.
3. **Mount Brackets:** Attach the coated steel mounting brackets to the light bar using the provided hardware. Do not fully tighten at this stage.
4. **Position Light Bar:** Place the light bar with attached brackets in the desired mounting location. Mark the drilling points for the brackets on the vehicle.

5. **Drill Mounting Holes:** Carefully drill pilot holes at the marked locations. Ensure no vital vehicle components are damaged during drilling.
6. **Secure Light Bar:** Attach the light bar and brackets to the vehicle using the remaining mounting hardware. Adjust the angle of the light bar for optimal illumination and then fully tighten all bolts.
7. **Wiring (Wiring Harness Sold Separately):**
 - Connect the positive (+) wire from the light bar to the positive (+) wire of your wiring harness.
 - Connect the negative (-) wire from the light bar to the negative (-) wire of your wiring harness.
 - Follow the instructions provided with your SYLVANIA wiring harness (e.g., LBARHRNS1PBX) to connect it to your vehicle's power source and switch. Ensure proper fusing.
8. **Reconnect Battery:** Once all wiring is complete and secure, reconnect the vehicle's negative battery terminal.
9. **Test Functionality:** Turn on the light bar to ensure it operates correctly. Adjust the beam angle as needed.

6. Operating Instructions

The SYLVANIA Rugged 20 Inch Flood LED Light Bar is designed for straightforward operation once properly installed and wired to a switch.

- **Power On/Off:** Activate the light bar using the switch connected to your wiring harness.
- **Beam Pattern:** This light bar features a flood beam pattern, which provides a wide spread of light ideal for illuminating the immediate surroundings and sides of trails at lower speeds. It is not designed for long-distance spot illumination.
- **Optimal Use:** Best used in off-road conditions, during nighttime work, or in situations requiring broad area illumination.

PURPOSE BUILT FOR



TRUCKS/SUVs/CUVs



ATVs/UTVs



HEAVY DUTY



MARINE

SYLVANIA
OFF ROAD

Image 6.1: Examples of diverse applications for SYLVANIA off-road lighting, including trucks, ATVs, heavy-duty vehicles, and marine use, demonstrating the product's versatility.

7. Maintenance

The SYLVANIA Rugged LED Light Bar requires minimal maintenance due to its durable construction and IP69K rating.

- **Cleaning:** Periodically clean the lens and housing with mild soap and water to remove dirt, mud, or debris. Avoid abrasive cleaners or harsh chemicals that could damage the polycarbonate lens or finish.
- **Inspection:** Regularly inspect the mounting hardware and wiring connections for tightness and signs of wear or corrosion. Tighten any loose fasteners.
- **Corrosion Resistance:** The rugged aluminum body is designed to resist corrosion, but regular cleaning in harsh environments (e.g., saltwater, heavy mud) will help maintain its appearance and integrity.

8. Troubleshooting

If your SYLVANIA LED Light Bar is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light bar does not turn on.	No power to the light bar; loose wiring connection; blown fuse; faulty switch.	Check all wiring connections for tightness and proper insulation. Verify power supply to the wiring harness. Inspect and replace any blown fuses in the circuit. Test the switch for functionality.
Light bar is dim or flickers.	Insufficient power supply; poor ground connection; damaged wiring.	Ensure the light bar is receiving adequate voltage (12V DC). Check the ground connection for corrosion or looseness. Inspect wiring for any damage or fraying.
Moisture inside the lens.	Seal compromise (unlikely with IP69K rating); condensation due to temperature changes.	Small amounts of condensation may dissipate naturally. If significant moisture or water ingress is observed, contact SYLVANIA customer support.

9. Warranty Information

The SYLVANIA Rugged 20 Inch Flood LED Light Bar is backed by a **Lifetime Limited Warranty**. This warranty covers defects in materials and workmanship under normal use.

For complete details regarding the terms, conditions, and claim process of your Lifetime Limited Warranty, please visit the official SYLVANIA website at sylvania.com.

10. Customer Support

If you have any questions, require technical assistance, or need to report an issue not covered in this manual, please contact SYLVANIA customer support through their official website or designated support channels.

For additional product information and accessories, visit the SYLVANIA store on Amazon or their official website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question