

Nilight ZH802 Triple Row LED Light Bar Instruction Manual

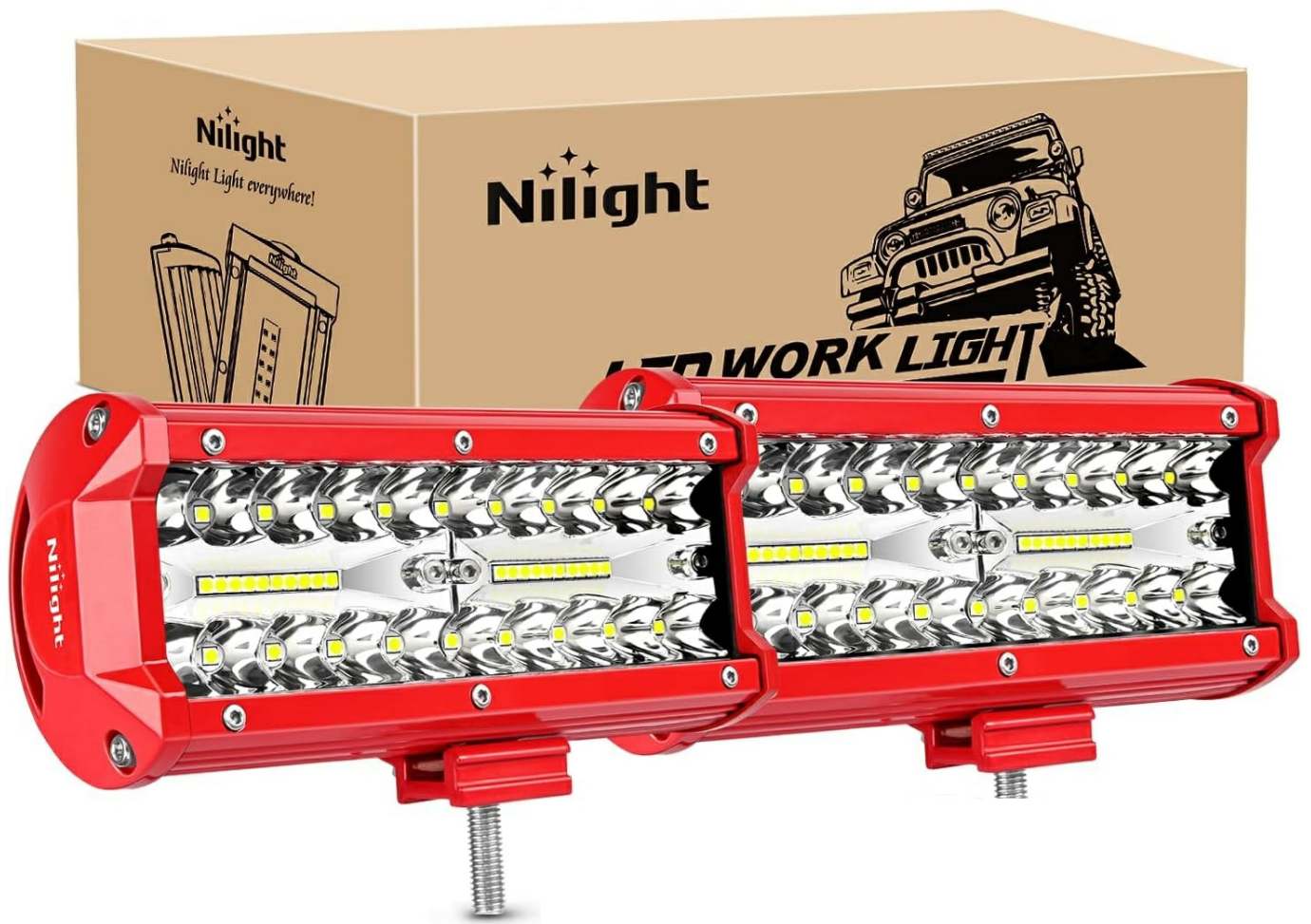
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Nilight ZH802 Triple Row LED Light Bar



INTRODUCTION

The Nilight ZH802 Triple Row LED Light Bar is a powerful lighting option for people who like to go off-road and explore the great outdoors. This light bar, which was released by Nilight on February 8, 2023, is both durable and very bright. With an impressive 120W power (40 x 3W high-intensity LEDs), the ZH802 is very bright and comes with both spot and flood combo beams to make sure there is enough light for everyone. The 6063 aluminum alloy and PC lens that went into making it make it very durable, and the IP67 rating means that it can handle harsh weather. If you need to make your car more visible on off-road trips or long drives at night, this light bar is a steady and reliable source of light. At \$35.63, it's a great deal for people who want professional-grade lights without spending a lot of money.

SPECIFICATIONS

Brand	Nilight
Price	\$35.63
Voltage	30 Volts
Maximum Compatible Light Source Wattage	120 Watts (1.2E+2 Watts)
Color Temperature	6000 Kelvin (6E+3 Kelvin)
Specification Met	IP67
Number of Light Sources	40
Bulb Base	GU5.3
Product Dimensions (L x W x H)	6.9 x 9.4 x 3.2 inches
Manufacturer	Nilight
Country of Origin	China
Item Model Number	ZH802
LED Power	120W (40 x 3W High Intensity LED)
Beam Pattern	Spot & Flood Combo Beam
Material	6063 Aluminum Alloy Profile, High Quality LED Chips, PC Lens
Working Temperature	-40~85 degrees Celsius
Input Voltage	9-30V DC (fits 12V, 24V vehicles)
Date First Available	February 8, 2023



WHAT'S IN THE BOX

- LED Light Bar
- Manual

FEATURES

- **Powerful LED Chips:** It comes with 120W (40 x 3W) high-intensity LED chips that provide crisp and bright lights.
- **Combo Beam Pattern:** This pattern has both spot and flood beams so it can light up a large area from far away.
- **Better Heat Dissipation:** The 6063 aluminum metal profile and thermal grease work together to make sure that heat is properly dissipated, which makes the light bar last longer.
- **IP67 Waterproof:** It's rated IP67, which means it's very resistant to dust, water, and other debris, so it can be used in a variety of weather conditions.



- **Built to last:** The body is made of a die-cast aluminum alloy that is waterproof, rustproof, dustproof, and shockproof so it will work for a long time.
- **Temperature Resistance:** The light bar can work reliably in temperatures ranging from -40°C to 85°C.
- **Advanced LED Chip Technology:** Gives off clean, bright 6000K white light that makes it easier to see on dark roads.
- **Mounting brackets** that can be adjusted make it easy to change the direction of the light beam to meet different lighting needs.
- **Different Voltage Compatible:** It works with 9–30V DC, so it can be used in both 12V and 24V cars.
- **Multiple Uses:** It works great for a lot of different vehicles, like trucks, jeeps, ATVs, UTVs, boats, and even lighting up the garden and lawn.
- **Tough Tests:** The light bar goes through tough tests like temperature, humidity, dust, salt spray, and moisture tests to make sure it lasts as long as possible.
- **High-Quality PC Lens:** The plastic lens is made to let in as much light as possible and not get scratched, which makes the lighting experience better overall.
- **Impression-Resistant:** The light bar can handle rough roads and off-road experiences thanks to its shockproof design.
- **Smart:** The LED chips are smart because they give off the most light while using the least amount of power.
- **Compact Design:** The 6.5-inch design is small enough to fit on most cars and provides strong lighting without being too big.

HIGH-PERFORMANCE



20 high-power highlight chips



Inductance, stable current



UPGRADING REFLECTOR CUP
allows multi-angle refraction.

SETUP GUIDE

- **Opening the box and checking to see if all the parts are there**: the LED light bar, the mounting brackets, the wire kit, and the screws.
- **Pick a Mounting Location**: Pick a spot on the car that gives you a clear view for the best visibility.
- **Install the Mounting Brackets**: Use screws to attach the movable brackets to the LED light bar.
- **Mount the Light Bar**: Use the mounting clamps to securely attach the LED light bar to the spot you chose.
- To connect the wires, use the wiring kit to link the positive (+) and negative (-) lines to the power system of the car.
- **Secure Wires**: Make sure the wires are neatly arranged and securely attached so they don't mess up any parts of the car.
- **Use the Right Fuse**: Put in the recommended fuse to keep the light bar from being damaged by too much power.
- **Test power**: Make sure the light bar works with the vehicle's power (12V or 24V DC).
- **Change the Direction of the Light**: The fixing bracket can be moved so that the light beams point in the best direction.
- **Connect the Switch**: To control the light bar, connect the switch that came with the kit to the wiring system.
- **Test the Light**: Turn on the light bar and make sure all of the LEDs are working right.
- **Check for Waterproofing**: To keep the waterproofing working, make sure the silicone seal and rubber pad are still in place.
- **Check for a Secure Installation**: Make sure there is no loose hardware and that all the mounting spots are

tight.

- **Final Testing:** Make sure the light bar works by testing it in both spot beam and flood beam modes.
- **Fix Problems:** If the light bar isn't working, check the connections again and make sure no wires are loose or fuses are blown.



CARE & MAINTENANCE

- **Regular Cleaning:** Use a soft cloth to clean the lens often to get rid of dust and dirt and make the light output clear.
- **Do Not Use Harsh Chemicals:** To clean the light bar, use water and a mild cleanser. Do not use harsh chemicals, as they could damage the lens or housing.
- **Check for Loose Mounting:** Check the mounting clamps and screws every so often to make sure the light bar is securely attached.
- **Check Wires:** Make sure there are no uncovered or frayed wires and check the wiring for wear and tear on a regular basis.
- **Protect from Too Much Heat:** Don't put the light bar near things that give off too much heat, like the engine or exhaust pipes.
- **Check the Fuse:** To avoid power problems, make sure the fuse is working right and repair it if it blows.
- **Make sure it Works:** Make sure that both the spot beam and the flood beam modes are working properly on a regular basis.
- **Keep Seals Intact:** To keep the waterproofing, make sure the silicone sealing strips and waterproof rubber

pads are still in one piece.

- If you're not going to be using the light bar for a long time, keep it somewhere dry, cool, and out of direct sunlight.
- If the light bar has been used for a long time, check it for signs of burning and let it cool down before using it again.
- **Avoid Road Debris:** Keep the light bar away from things that could scratch or break it on the road.
- **Check the Mounting Angle Again:** Make sure the light bar is still in the best place for providing good lighting.
- **Replace Broken Parts:** If the light bar or wire is broken, you need to replace those parts right away to keep the system working.
- **Check for Moisture:** Regularly check the light bar for moisture buildup inside the housing, which could make it harder to see.
- **Professional Inspection:** If you're not sure about any technical problems, have a professional look at the light bar and make sure it's working right.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light bar not turning on	Power connection issue	Check and ensure all wiring connections are secure.
Flickering or dim lights	Voltage drop or power supply issue	Ensure consistent voltage of 9-30V is being supplied.
Uneven light output	Misalignment of LEDs or improper installation	Adjust the angle and re-secure the mounting brackets.
Light bar overheats	Extended use or poor ventilation	Turn off lights periodically to cool down.
Water ingress or fogging	Sealant failure or cracks in the housing	Inspect seals and replace if damaged.
Blown fuse	Overloaded circuit or short circuit	Replace fuse and check the wiring for shorts.
No remote control response	Interference or dead battery in the remote	Replace the remote battery or move closer to the light.
Light bar dims at high speeds	Voltage regulation issue	Check the voltage regulator and replace if necessary.
Inconsistent beam pattern	Lens or bulb misalignment	Re-align the LEDs to achieve uniform light pattern.
Light bar makes noise	Vibration or loose mounting	Tighten all mounting hardware and ensure firm installation.

PROS & CONS

PROS:

1. Delivers 120W of high-intensity LED power for superior brightness.
2. Features both spot and flood combo beams for enhanced visibility.
3. Built with 6063 aluminum alloy for long-lasting durability.

4. IP67 rating ensures it is waterproof and dustproof.
5. Compatible with both 12V and 24V vehicles, offering versatility.

CONS:

1. May be overkill for smaller vehicles or low-power applications.
2. Requires a 9-30V DC input, limiting use in certain systems.
3. Can be bulky for compact installations.
4. Beam patterns might not suit every user's specific lighting needs.
5. High intensity could cause glare in some driving situations.

WARRANTY

The Nilight ZH802 Triple Row LED Light Bar is backed by a **2-year limited warranty**, ensuring that you are protected against defects in materials or craftsmanship under normal usage. The warranty covers repairs or replacements for faulty products but does not extend to damages caused by improper installation or misuse. To activate the warranty, simply register your product with Nilight and keep the proof of purchase for any claims.

FREQUENTLY ASKED QUESTIONS

What is the price of the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar is priced at \$35.63, offering a great value for a high-performance lighting solution.

What is the maximum compatible light source wattage for the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar is compatible with a maximum light source wattage of 120 watts, providing powerful illumination.

What is the color temperature of the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar has a color temperature of 6000 Kelvin (6K), providing bright, white light for clear visibility.

What is the IP rating of the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar meets the IP67 standard, ensuring it is waterproof and dustproof for reliable performance in tough conditions.

How many light sources are in the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar contains 40 high-intensity LEDs, delivering powerful light output.

What is the bulb base type for the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar uses a GU5.3 bulb base, ensuring easy installation and compatibility.

What are the dimensions of the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar measures 6.9 inches in length, 9.4 inches in width, and 3.2 inches in height, making it compact yet powerful.

What is the working temperature range of the Nilight ZH802 Triple Row LED Light Bar?

The Nilight ZH802 Triple Row LED Light Bar operates in temperatures ranging from -40°C to 85°C, ensuring reliable performance in extreme weather conditions.

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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