

WONE/NICE
WN-S03 LED TRAILER
TAIL LIGHT



WoneNice WN-S03 LED Trailer Tail Light User Manual

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WONE/NICE

WoneNice WN-S03 LED Trailer Tail Light



INTRODUCTION

For trailers, trucks, and other vehicles that require improved rear visibility, the WoneNice WN-S03 LED Trailer Tail Light is a cutting-edge and dependable lighting option. This tail light, which costs \$32.99, is suitable for a variety of cars since it functions well between DC10V and 15V and performs within the rated voltage range of DC12V to 30V. With 30 watts of power, this light, which was manufactured by WoneNice and made available on May 8, 2019, ensures excellent brightness and good vision in low light. The lens's vivid red hue and sturdy polycarbonate construction enhance your car's safety and visual appeal. With its strong performance and increased road safety, this LED trailer light is ideal for daily use, long-distance travel, and commercial shipping. The WoneNice WN-S03 is a perfect addition to any car that requires strong rear illumination because of its dependable construction and functionality.

SPECIFICATIONS

Brand	WoneNice
Price	\$32.99
Rated Voltage	DC12V-30V
Working Voltage	DC10-15V
Voltage	12 Volts
Wattage	30 watts
Auto Part Position	Rear
Lens Color	Red
Lens Material	Polycarbonate
Manufacturer	WoneNice
Item Weight	1 pound
Package Dimensions (L x W x H)	9.57 x 5.63 x 5.43 inches
Country of Origin	China
Model Number	WN-S03
Date First Available	May 8, 2019

WHAT'S IN THE BOX

- LED Trailer Tail Light
- User Manual



PRODUCT DIMENSIONS



FEATURES

- The full trailer light kit comes with two amber LED clearance marker lights, two combo tail and turn signal lights, a 25-foot electrical harness, a license plate holder, and mounting hardware for simple installation.
- **IP67 Waterproof and Submersible:** This completely sealed construction has an IP67 waterproof rating, which guarantees defense against sand, water, dirt, and snow. It can be immersed underwater and operate in rainy, snowy, or foggy circumstances.

IP68 RATING

Grade waterproof, dustproof, shockproof
With the IP68 Waterproof design, sealed & waterproof assemblies, it is totally submersible.



- **Long-Lasting LED Lights:** With a lifespan of up to 50,000 hours, the SMD 5050 lamp beads give incredibly bright lighting that improves road safety.
- **DOT Compliance:** Ensures safety and complies with regulations for trucks under 80 inches in width by meeting the Department of Transportation's (DOT) trailer lighting criteria.
- **High-Visibility Lighting:** There are 16 LEDs in the right tail light, including 4 side marker SMD LEDs and 12 big LEDs facing the back. Twelve big LEDs facing the back, four SMD side marker LEDs, and three white LEDs for license plate lighting make up the left tail light's 19 LEDs.



- **Super Brightness:** LED technology guarantees excellent visibility by producing a crisp, glare-free light output for increased road safety.
- **Wide Voltage Compatibility:** This tail light kit is adaptable and suitable for a range of vehicles, including trucks, trailers, boats, buses, and more. It is rated for DC 12V-30V input.
- **Waterproof Protection:** The light is ideal for use in damp environments because it is made to keep out water and continue to work even after being immersed for up to three hours.
- **Energy Efficient:** Compared to incandescent lights, the LED design uses less energy since it produces better brightness while using less electricity.
- **Simple to Install:** The kit comes with a 25-foot wiring harness, which is long enough for most trailer lengths (21.65- and 3.93-foot portions). For a seamless installation procedure, comprehensive instructions are provided.
- **License Plate Illumination:** Three white LEDs pointing downward are part of the left tail light, which illuminates the license plate to improve nighttime visibility.
- **Universal Fit:** Any vehicle under 80" in width can use this kit, including trucks, trailers, tractors, boats, buses, snowmobiles, recreational vehicles, and campers.
- **Long-lasting performance and protection** of the internal components are ensured by the red polycarbonate lens's resilience to impact and durability.
- **Included Reflective Stickers:** Four free reflective stickers are included in the package to improve visibility and add extra security when installed.
- **Mounting Hardware supplied:** To make setup easier, all required mounting hardware is supplied, along with a

bracket for simple installation.

SETUP GUIDE

- **Check Vehicle Compatibility:** Make sure the light kit fits your truck, trailer, or other towing vehicle, particularly ones that are less than 80 inches wide.
- **Verify Voltage Requirements:** Make sure the tail light kit is compatible with your car by making sure it runs in the DC 12V-30V voltage range.
- **Assemble Equipment and equipment:** To get ready for the setup, you'll need basic installation equipment like a drill, screwdriver, and maybe a wire stripper.
- **Choose Mounting Locations:** Make sure the tail lights are mounted in places that are both road safety compliant and visible from a distance.
- **Installing the License Plate Bracket:** First, fasten the license plate bracket to the car with the mounting hardware that comes with it.
- To ensure that the 25-foot wire harness reaches the correct locations for the tail lights and other components, unroll and measure it.
- **Drill Holes for Mounting:** Make sure the holes for the marker lights and tail lights line up with the mounting brackets and offer safe places to attach them.
- **Connect the Ground Wires:** To guarantee that the lights are properly grounded, fasten the white ground wire to the vehicle's frame or chassis.
- **Attach the tail lights** to the brown wire, the left turn signal to the yellow wire, and the right turn signal to the green wire. Verify that the connections are safe.
- **Wire the Side Marker Lights:** For best lighting, connect the yellow wire to the side marker lights and the black ground wire to the car chassis.
- **Test Light Functionality:** To make sure everything is operating as it should, turn on your car after wiring and check the turn signal, brake, tail, and clearance marker lights.
- **Secure wire:** Make sure the wire is securely out of the path of moving parts by fastening it along the trailer or car with zip ties or clips.
- **Install Reflective Stickers:** To improve visibility and safety, particularly in low light, use the reflective stickers that come with the trailer or car.
- **Mount the Tail Lights:** Using the brackets and screws that come with the kit, firmly fasten the tail lights. To get the most exposure, make sure they are positioned correctly.
- **Final Inspection:** Following installation, make one last check to make sure the wiring is securely fastened and that all of the lights are operating as intended.

CARE & MAINTENANCE

- **Frequent Cleaning:** To maintain maximum brightness, wipe the tail lights off with a gentle, moist cloth to get rid of dust, debris, and road grime.
- **Examine for Physical Damage:** Look for any chips, cracks, or wear on the lenses and housing that might impair functionality. If required, replace.
- **Examine the Wiring:** Frequently check the wiring for loose connections, corrosion, or fraying, and replace or repair any damaged wires right away.
- **Make Sure Grounding Is Secure:** To ensure correct operation, make sure the ground wire connections are

tight and corrosion-free.

- **Test Light Functionality**: Make that all of the lights' features—tail, brake, turn signal, and side marker—are operating as they should by testing them on a regular basis.
- **Waterproof Sealing Check**: To avoid moisture getting inside the light housing and causing problems, make sure the waterproof seals are still in place.
- **Avoid Extended Submersion**: Although the lights can be submerged, to prolong their longevity, do not leave them immersed for prolonged periods of time.
- **Protect from Impact**: To avoid damaging the lenses or internal parts, do not strike or drop the tail lights.
- **Ascertain Appropriate Voltage**: Verify that the electrical system of your car supplies the tail lights with the appropriate voltage (DC 12V-30V).
- **Replace Damaged LEDs**: To ensure complete lighting functionality, replace any damaged LEDs as soon as possible if they become dim or non-functional.
- **Steer clear of abrasive products** or harsh chemicals that could harm the lens while cleaning the tail lights. Instead, use a moderate solution of soap and water.
- **Verify Correct Mounting**: Make that the side markers and tail lights are firmly fixed and that nothing is rattling or loose.
- **Examine for Fogging**: If there is any fogging inside the lenses, it may be a sign that the seal is failing. If fogging happens, check the seals and replace them as necessary.
- **Preserve License Plate Illumination**: To ensure legal visibility when driving at night, make sure the white LEDs that illuminate the license plate continue to work.
- **Store Properly**: To avoid environmental damage, store the lights in a cool, dry place if you must remove them for any reason.

TROUBLESHOOTING

Problem	Possible Solution
The tail light is not turning on.	Check the wiring for secure connections and proper power supply.
The light flickers intermittently.	Inspect the wiring for loose connections or damaged wires.
The light is dim or not bright enough.	Ensure the voltage supply is within the recommended DC10-15V range.
The light is not fitting properly.	Verify the size and dimensions (9.57 x 5.63 x 5.43 inches) for compatibility.
The light is not waterproof anymore.	Check the lens and housing for cracks and reseal if necessary.
The tail light overheats.	Ensure proper wiring and avoid overloading the electrical system.
The light is emitting uneven brightness.	Clean the lens to remove dirt or debris affecting light output.
The light doesn't function after installation.	Double-check the wiring polarity and fuse connections.
The tail light is damaged.	Examine the tail light for physical damage and contact customer support if necessary.
The tail light is not working intermittently.	Test the electrical system to ensure stable voltage and no fluctuations.

PROS & CONS

Pros

1. Operates at a wide voltage range (DC12V-30V), making it compatible with various vehicles.
2. Durable polycarbonate lens ensures protection against impacts and weather conditions.
3. Powerful 30-watt LED provides bright, clear lighting for enhanced visibility.
4. Cost-effective at \$32.99, offering great value for its quality and functionality.
5. Easy to install with a rear-position mounting, ideal for trailers and other vehicles.

Cons

1. Limited to a red lens color, restricting customization options.
2. May not be suitable for vehicles requiring higher wattage lighting.
3. Working voltage range (DC10-15V) may not be compatible with all vehicles.
4. The size and dimensions might not fit all trailer models.
5. Installation requires basic wiring knowledge, which may be challenging for some users.

WARRANTY

The WoneNice WN-S03 LED Trailer Tail Light comes with a limited **1-year warranty**. This warranty covers any defects in material or workmanship under normal use. If the tail light fails due to a manufacturer defect within this period, the manufacturer will repair or replace the unit at no extra cost. The warranty does not cover damage caused by improper installation, misuse, or accidents. To ensure the product remains covered, customers must retain proof of purchase and adhere to proper installation and maintenance procedures. Regular maintenance is recommended for optimal performance and longevity.

FREQUENTLY ASKED QUESTIONS

What is the price of the WoneNice WN-S03 LED Trailer Tail Light?

The WoneNice WN-S03 LED Trailer Tail Light is priced at \$32.99, offering high-quality performance for a reasonable cost.

What is the rated voltage for the WoneNice WN-S03 LED Trailer Tail Light?

The WoneNice WN-S03 LED Trailer Tail Light has a rated voltage of DC12V-30V, making it suitable for various trailer lighting setups.

What is the working voltage for the WoneNice WN-S03 LED Trailer Tail Light?

The WoneNice WN-S03 LED Trailer Tail Light operates within a working voltage of DC10-15V, ensuring

reliable performance in most trailer applications.

What is the wattage of the WoneNice WN-S03 LED Trailer Tail Light?

The WoneNice WN-S03 LED Trailer Tail Light consumes 30 watts of power, providing bright, energy-efficient lighting for your trailer.

What material is used for the lens of the WoneNice WN-S03 LED Trailer Tail Light?

The lens of the WoneNice WN-S03 LED Trailer Tail Light is made from durable polycarbonate material, ensuring long-lasting protection and clarity for the light.

What are the dimensions of the WoneNice WN-S03 LED Trailer Tail Light?

The package dimensions for the WoneNice WN-S03 LED Trailer Tail Light are 9.57 x 5.63 x 5.43 inches, making it a compact and versatile option for your trailer lighting.

What is the weight of the WoneNice WN-S03 LED Trailer Tail Light?

The WoneNice WN-S03 LED Trailer Tail Light weighs 1 pound, offering a manageable and easy-to-install lighting solution.

When was the WoneNice WN-S03 LED Trailer Tail Light first available?

The WoneNice WN-S03 LED Trailer Tail Light was first available on May 8, 2019, providing an advanced and energy-efficient lighting option for trailer owners.

References

- [User Manual](#)

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

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