



SQUARE FLOOD LIGHT - 2PCS.

INSTRUCTION MANUAL



⚠ WARNING

**READ AND UNDERSTAND THIS INSTRUCTION MANUAL
PRIOR TO USING THIS PRODUCT. FAILURE TO DO SO MAY
RESULT IN SERIOUS INJURY OR DEATH.**

Keep this instruction manual for future reference.

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

The safety instructions provided in this manual are not intended to cover all possible conditions and practices that may occur when operating, maintaining and cleaning power equipment.

Always use common sense and pay particular attention to all the DANGER, WARNING, CAUTION and NOTICE statements in this manual.

WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
 DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE	Addresses practices not related to personal injury.
CAUTION	

Symbols used in this manual and/or the label on your tool may include the following symbols. The symbols and their definitions are as follows:

Symbol	Property or Statement
A	Current, in Amperes
	Direct Current (DC)
	Earthing Terminal
V	Voltage, in Volts
	Read and understand this instruction manual prior to using this product.
	Wear ANSI approved (or applicable national standard) goggles or properly fitted protective glasses with top and side protection.
	Keep Out of Reach of Children

Symbol	Property or Statement
	Burn Hazard
	Shock Hazard
	Fire Hazard
	Do Not Dispose of in Household Waste

INTENDED USE

 **WARNING** For off-road application only; not intended to be used in place of vehicle's standard lights or headlights.

Supplied with 2pcs, the rugged Northern Ridge™ LED Flood Light complements your vehicle while providing additional light.

Ideal for use on trucks, SUVs, ATVs, UTVs, construction, landscaping and Farm Equipment the lights are intended to be mounted on vehicles for off-road use. Used as a flood light, the 60 LEDs (30 per light) and reflectors with

a projection angle of 60°, the light creates a flood of light designed to light up wide scenes with a distance of up to 121 ft. (37 m).

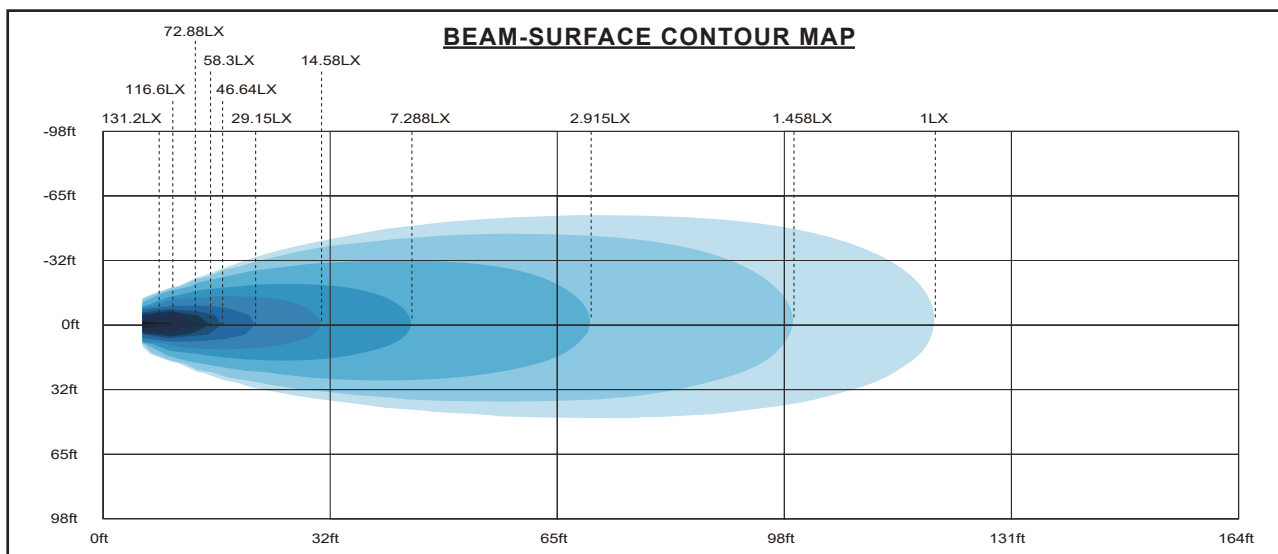
The light has an IP67 rating with a sealed die-cast aluminum housing to not only protect against dust, but to also protect from temporary water immersion.

The simple mounting bracket and two-wire lead make installation to either a 12V or 24V system easy. The light is designed to be connected to a separate switch for control by the operator.

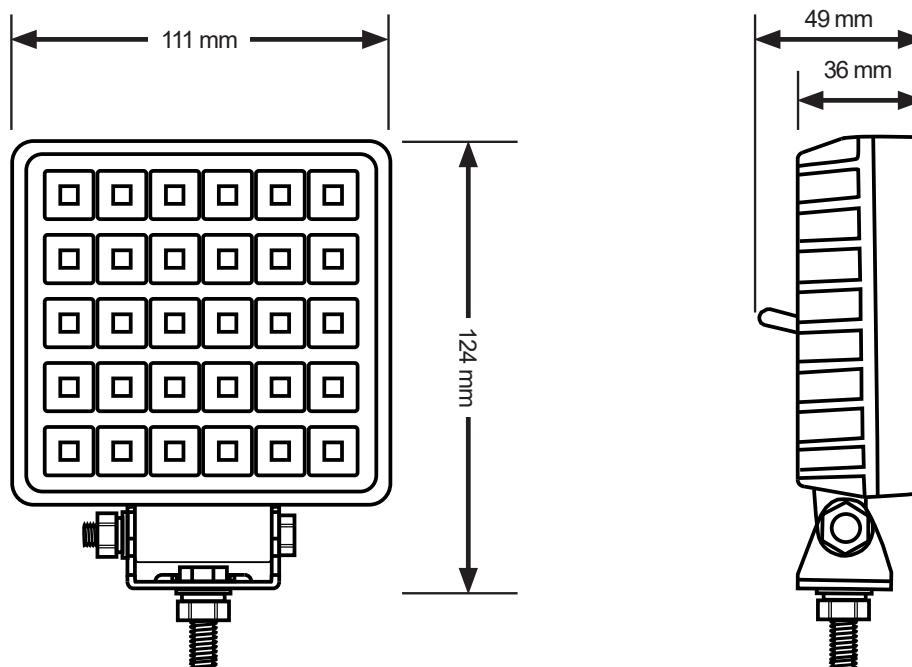
SPECIFICATIONS

Specification	Value
Description:	Square Flood Light - 2Pcs.
Housing Color:	Black Powder Coat
Hsg/Bracket Mat'l:	Die-cast Aluminum Alloy
Lens Material:	Impact Resistant Polycarbonate
Hardware Mat'l:	Stainless Steel
Beam Type:	Flood
Bulb Type:	LED (30 pcs. / ea)
Average Lifespan:	50,000 Hours

Specification	Value
Voltage:	10 to 30 V DC
Nominal Power:	26W
Power Consumption:	12V 2.17A; 24V 1.08A
Projected Distance:	121 ft (37 m)
Light Intensity:	3,800Lx (Theo.) / 2,900Lx (Eff.)
Color Temperature:	6,000 K (Daylight White)
Ingress Protection:	IP67
EM Compatibility:	ECE R10 Compliant
Certifications:	CE & ROHS Compliant



SIZE



UNPACKING & INSPECTION

When unpacking, please inspect the product carefully to ensure the product is intact and undamaged. If any parts are missing or broken, please call 1-800-386-0191 as soon as possible.



WARNING

Do not use this product if damaged during shipment, handling, or after misuse.

Do not use the product until the parts have been replaced or the fault rectified. Failure to do so may result in serious personal injury or property damage.

Remove the parts and accessories from the packaging and inspect for damage. Make sure that all items in the contents are included.

Package contents : A - LED Light (2 pcs)

B - Mounting Bracket (2 pcs)

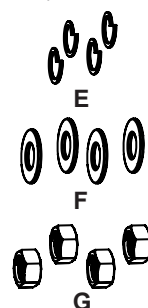
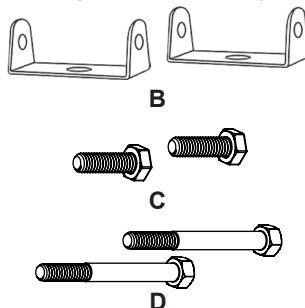
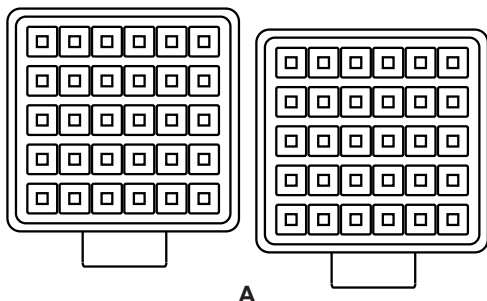
C - Short Hex Head Bolt (2 pcs)

D - Long Hex Head Bolt (2 pcs)

E - Lock Washer (2 pcs)

F - Flat Washer (2 pcs)

G - Nut (2 pcs)



GENERAL SAFETY RULES



WARNING

READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS. Failure to follow the warnings and instructions may result in electric shock, serious injury and/or DEATH.

Save this instruction manual for future reference.

WORK AREA SAFETY

- **Keep your work area clean, well-lit and free of distractions.** Place lights so you are not working in a shadow.
- **Use the right tool or attachment for the job.** There are certain applications for which this product was designed. Do not modify this product, and do not use this product for purposes for which it was not intended.
- **Do not operate this product in explosive atmospheres,** such as in the presence of flammable liquids, gases or dust. This product may create sparks which may ignite the dust or fumes.
- **Keep anyone not wearing appropriate safety equipment away from the work area.**
- **If working alone, always arrange to have someone check on you at pre-arranged, regular intervals.**

PERSONAL SAFETY

- **Wear Personal Protective Equipment (PPE) approved by the American National Standards Institute (ANSI) or the Canadian Standards Association (CSA).**
- **Always wear impact safety goggles or eyewear that provide front and side protection for the eyes.** Eye protection equipment should comply with ANSI Z87.1 or CSA Z94.3-07 standards based on the type of work performed.
- **Keep children and bystanders away while working.** Distractions can cause you to lose control.
- **Control the tool, personal movement and the work environment** to avoid personal injury or damage to the equipment.
- **Do not overreach.** Non-skid footwear is recommended to maintain proper footing and balance to enable better control in unexpected situations.
- **Stay alert, watch what you are doing and use common sense when using tools. Do not assemble and install this product while you are tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while working may result in serious personal injury.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- **Do not let familiarity gained from frequent use allow you to become complacent and ignore safety principles.** A careless action can cause severe injury within a fraction of a second.

SERVICE

- **Have your LED Light serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the product is maintained.
- capabilities are different or reduced, or lack experience or knowledge unless such persons receive supervision or training in the operation of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not use the device as a toy.



WARNING

This product is not intended for use by persons (including children) whose physical, sensory, or mental

SPECIFIC SAFETY WARNINGS



WARNING Proper installation of this product requires a good working knowledge of automotive electrical systems. If you have any doubts about the proper installation of this product, have a qualified technician install it. Neither the manufacturer nor the retailer is responsible for any damage, personal or property, incurred during installation or caused by improper installation.



- Read all instructions and safety precautions in the vehicle's manual onto which the LED Light will be installed.
- Do not install this product in any way that interferes with the deployment of air bags. Vehicles equipped with airbags may have the sensors located inside the front bumper. Make sure to consult the vehicle service manual to determine the location of the airbag sensors. To avoid damaging the sensors if they are located in the front bumper, do not drill holes in the bumper.
- Ensure all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. If drilling is required, check behind the mounting surface for any hidden electrical lines or cables before drilling any holes. Do not damage or weaken the structural integrity of the vehicle.
- Select a mounting location that will not restrict sufficient airflow to the engine coolant or oil radiator or where it may obstruct headlights or turn signals of the vehicle.
- Clean mounting surfaces before installation using water, and if necessary, a 50/50 mix of water and isopropyl alcohol.
- Install on negative (-) ground 12/24 VDC systems only. Please follow all wiring guidelines provided to guarantee

long lifespan. Failure to follow these instructions may result in damage to the product.

- The LED Light is for OFF-ROAD use only. Follow local, state, and federal regulations regarding installation and use of this product on your vehicle.
- Use only as intended. Not for marine use. Do not mount underwater.
- During continuous operation lighting units can become extremely hot - Do not touch while operational or within 30 minutes of turning off. Do not place anything flammable near the Light during or after use.
- Keep wiring away from hot surfaces and moving parts.
- AVOID EYE INJURY - Do not look directly into light as it may cause serious eye injury.
- To prevent damage, turn light off before starting or turning off the vehicle.
- Prior to performing any inspection, maintenance, or cleaning on the unit, turn off the LED Light, disconnect its power cord from its 12 Volt DC battery, and allow it to completely cool down.
- Inspect before every use; do not use if parts are loose or damaged.

NOTICE

Save these instructions.

Refer to these instructions frequently and use them to instruct others who may use this product. If you loan someone this product, be sure to also include these instructions.

Maintain labels. These carry important information. If unreadable or missing, contact Star Asia-USA, LLC for a free replacement.



**FOR OFF-ROAD APPLICATION ONLY.
NOT INTENDED TO BE USED IN
PLACE OF VEHICLE'S STANDARD
LIGHTS/HEADLIGHTS.**

INSTALLATION

POLARITY



WARNING To prevent serious injury and fire, connect the wires with the correct polarity.

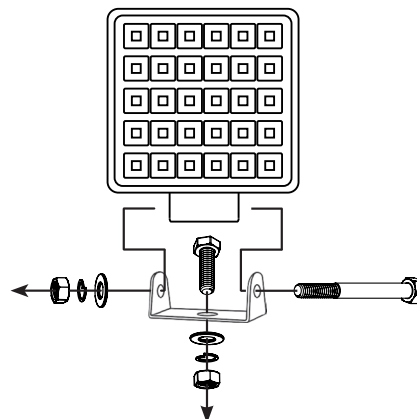


WARNING To avoid accidental short circuits, disconnect the negative (-) terminal of the vehicle battery prior to installing the LED Light.

Letters in parenthesis (A) refer to the items listed under "Package Contents".

1. Remove the unit and included hardware from the package.
2. Place the Short Hex Head Bolt (C) through the opening in the base of the Mounting Bracket (B). This will be used to mount the assembly to the vehicle.

3. Attach the Mounting Bracket (B) to the LED Light (A) by inserting the Long Hex Head Bolt (D) through the Mounting Bracket and body of the LED Light, then place a Flat washer (F), Lock Washer (E), and Nut (G) onto the Long Hex Bolt and tighten.



4. Selecting a Mounting Location:

Selecting an acceptable mounting location will ensure proper operation and a long service life. When considering a mounting location, attention should be given to the following:

- Select a mounting location that will not restrict sufficient airflow to the engine coolant or oil radiator or where it may obstruct headlights or turn signals of the vehicle.
- The LED Light should be mounted on a flat surface that will allow easy access to inspect or adjust when necessary.
- Try to locate the light where there is nothing in front that may block the light beam, including the driver or passenger.
- Ensure the location will allow the LED Light to sit flat. Placing the light on a curved surface could damage the light or the vehicle surface.
- Avoid heat sources such as the engine exhaust, radiator, and engine block.
- Do not mount the LED Light where flammable liquids are stored, such as a fuel tank.
- Ensure all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. If drilling is required, check all sides of the mounting surface for any hidden electrical lines or cables before drilling any holes. Do not damage or weaken the structural integrity of the vehicle.

NOTICE

Spend some time to consider the best installation location and the position of the light BEFORE drilling any mounting holes. Keep in mind the location and routing of the control switch and its wiring (not included).

5. Measure and mark a hole at the location where the light is to be installed and use a center punch to make a dimple for the drill bit.
6. Drill the hole using an 11/32 in. (9 mm) drill bit.
7. Remove any burrs and sharp edges on the mounting hole.

! WARNING

Do not install this product in any way that interferes with the deployment of air bags. Vehicles equipped with airbags may have the sensors located inside the bumpers. Make sure to consult the vehicle service manual to determine the location of the airbag sensors. To avoid damaging the sensors if they are located in the bumpers, do not drill holes in the bumpers.

8. With the Short Hex Head Bolt in the mounting bracket, place the bolt through the drilled hole on the mounting surface, then place a Flat washer (F), Lock Washer (E), and Nut (G). Secure in place by tightening the Nut.
9. Connect the LED Light to the wiring harness and/or switch (not included) using an appropriate method such as crimped wiring terminals or soldering. Be sure to waterproof the connections.

! CAUTION

- Waterproof all wiring connections using heat shrink terminals, heat shrink tubing, electrical tape, or other appropriate methods (not included).
- Before connecting to a battery, ensure that the switch is in the OFF position.
- Use plastic cable ties (not included) to secure wiring throughout the vehicle.
- Avoid hot areas and moving parts when routing wires.
- Protect wiring from sharp edges with electrical tape, grommets, cable wrap or other appropriate means (not included).

10. Adjust the beam of the LED Light so that it will illuminate the desired area. Loosen the Long Hex Head Bolt and its nut fastener (2) so the light beam is approximately 3 to 5 yards (3 to 5m) in front of the vehicle, then tighten the fastener.

MAINTENANCE

! WARNING

Always unplug the Northern Ridge™ LED Light from its DC power source and allow the unit to completely cool down before performing any inspection or maintenance.

BEFORE EACH USE, inspect the general condition of the LED Light. Check for misalignment or binding, cracked or broken parts, damaged wiring, damaged lens, and any other condition that may affect its safe operation. If a problem occurs with the Lights, have the problem corrected before further use. Do not use damaged equipment.

Inspect for:

- Loose fasteners
- Misalignment/ Improper mounting
- Binding of moving parts
- Damaged wiring
- Cracked or broken parts, and any other condition that may affect its safe operation.

If abnormal noise or vibration occurs while driving, **stop the vehicle** and have the problem corrected before further use. Do not use a damaged light. Tag damaged unit "DO NOT USE" until repaired by a qualified service technician.
CLEANING:

! CAUTION

Use only mild soap and a damp cloth to clean your Northern Ridge™ LED Light since certain cleaning agents and solvents are harmful to plastics and aluminum parts. Some of these include: gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia, and household detergents containing ammonia.

TROUBLESHOOTING:

SYMPTOM	LIKELY CAUSE(S)
Light doesn't light up.	1. Power switch is in the OFF position. 2. Wiring connections are loose. 3. Wiring is damaged or corroded. 4. Wires are not connected according to the correct polarity

DISPOSAL:

Recycle a light damaged beyond repair at the appropriate facility.

Contact your local municipality for a list of disposal facilities or by-laws for electronic devices, batteries, oil or other toxic liquids.

IMPORTANT! DO NOT pollute the environment by allowing uncontrolled discharge of waste oil.

90 DAY LIMITED WARRANTY

Star Asia-USA, LLC (hereinafter "seller") warrants to the original purchaser only, that this product will be free from defects in material or workmanship for a period of 90 days from date of purchase for home domestic use.

Warranty Performance

Warranty coverage is conditioned upon purchaser furnishing seller or its authorized service center with adequate written proof of the original purchase date. Products returned, freight prepaid and insured, to our factory or to an Authorized Service Center will be inspected and repaired or replaced, at seller's option, free of charge if found to be defective and subject to warranty. Defective parts not subject to normal wear and tear will be repaired or replaced, at our option during the above stated warranty periods. In any event, reimbursement is limited to the purchase price paid. Other than the postage and insurance requirement, no charge will be made for repairs or replacements covered by this warranty. Under no circumstances shall the manufacturer bear any responsibility for loss of the unit, loss of time or rental, inconvenience, commercial loss or consequential damages, There are no warranties which extend beyond the description of the face hereof.

Exclusions

This warranty does not cover parts damaged due to normal wear, abnormal conditions, misapplication, misuse, abuse, accidents, operation at other than recommended pressures or temperatures, improper storage of freight damage. Parts damaged or worn by operation in dusty environments are not warranted. Failure to follow recommended operating and maintenance procedures also voids warranty. Additional items not covered under warranty: product failure caused by rain, excessive humidity, corrosive environments or other contaminants; cosmetic defects that do not interfere with product's functionality. This warranty shall not apply when: the product has been used for commercial or rental purposes; defects in materials or workmanship or damages result from repairs or alterations which have been made or attempted by others or the unauthorized use of nonconforming parts; this damage is due to abuse, improper maintenance, neglect or accident; or the damage is due to use of the product after partial failure or use with improper accessories. Warranty does not apply to accessory items. Seller will not be liable for: labor charges, loss or damage resulting from improper operation, maintenance or repairs made by persons other than a Star Asia-USA, LLC Authorized Service Center. The use of other than genuine Star Asia-USA, LLC repair parts will void warranty.

Warranty Disclaimers

NO WARRANTY, ORAL OR WRITTEN, OTHER THAN THE ABOVE WARRANTY IS MADE WITH REGARD TO THIS PRODUCT, ANY IMPLIED WARRANTIES OF SELLER REGARDING THIS PRODUCT INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. BUYER'S OR USER'S REMEDIES ARE SOLELY AND EXCLUSIVELY AS STATED ABOVE. STAR ASIA-USA, LLC SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, OR SPECIAL DAMAGES. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL SELLER'S LIABILITY EXCEED THE PRICE OF THE PRODUCT WHICH HAS GIVEN RISE TO THE CLAIM OR LIABILITY. ANY LIABILITY CONNECTED WITH THE USE OF THIS PRODUCT SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIODS SPECIFIED ABOVE.

Limitations on Warranty Disclaimers

Any implied warranties shall be limited in duration to 90 days from the date of purchase. In some states of the U.S.A. and in some provinces of Canada there is no limitation for how long an implied warranty is valid, so the aforementioned limitation may not apply to you. In no event shall a seller be liable for any incidental or consequential damages (including but not limited to liability for loss of profits) arising from the sale or use of this product. In some states of the U.S.A. and in some provinces of Canada the exclusion or limitation of incidental or consequential damages is not allowed, so that aforementioned limitation or exclusion may not apply to you.

This Limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state in the U.S.A., Canada and the Commonwealth of Puerto Rico. For warranty coverage within other countries, contact your local star Asia-USA, LLC dealer or importer.

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