

**NOV**SIGHT<sup>®</sup>  
— AUTO LIGHTING —

# **INSTALLATION MANUAL**

**LIGHT UP  
YOUR WAY HOME**

**NOV<sup>3</sup>SIGHT**  
— AUTO LIGHTING —

## **INSTALLATION VIDEO**

Search “Novsight Auto Lighting” on YouTube to find our Channel and watch our installation videos.



## **CONTENTS**

### **Package List:**

LED Bulb x 2

Manual x 1

Gift x 1

## **PRE-INSTALLATION NOTICE**

- Please make sure this product has been purchased from a legal sales channel.
- This product can only be used on road-legal automotive vehicles.
- This product may contain small parts, and we strongly advise you to keep this product away from infants and children, so as to prevent a choking hazard or possible injury.
- Please test the LED bulbs before fully installing them in your vehicle.
- Before installing, please make sure the LED bulbs are not damaged or broken and have not been dropped on the ground. If any of these conditions exist, please do not install the LED bulbs in your vehicle.
- Only store this product in a cool and dry place. Keep away from damp and dust, otherwise, it may become damaged.
- Keep the LED bulbs away from areas or materials that are exposed to flames or prone to combustion.
- Please read this instruction manual carefully before installing this product. After completing the installation, please keep this manual in a safe place for future reference.

## **PRECAUTIONS FOR INSTALLATION**

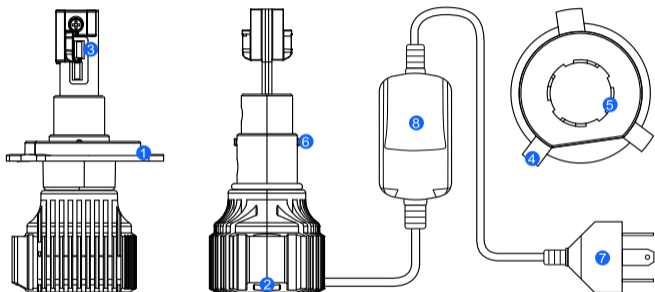
- Please wear work gloves during the installation.
- Be sure not to touch the LED element of the LED bulb.
- Prevent any type of oil, dirt, or moisture from adhering to the product, so as to prevent a potential failure.
- Bulb installing should be done safely in the capacious environments. Before installation, stop the vehicle engine, apply the parking brake, place the shift in the park or neutral position, and remove the key.
- Be sure not to apply excessive force to the LED bulb during installation. If damage occurs, it may cause a lighting malfunction and other potential failures.
- After installation, please check whether the high and low beams and other electrical equipments on the dashboard work normally and no warnings occur.
- Please ensure the LED driver box and cable ties are not below the vehicle's heating system or near moveable components inside the engine compartment, as this may cause damage and a potential failure.
- Please ensure that the LED driver box and cable ties do not interfere with other components or the engine hood itself.
- Do not bend the cables excessively, especially near the LED driver or heat sink area.

## **WARNINGS FOR USE**

- Do not look directly at the lamp for any period of time, as this may cause serious eye injury.
- Do not disassemble or modify the product in any way, as this may damage the product or cause fire and/or personal injury.
- Do not wash the vehicle with the lights turned on, as sudden changes in temperature may cause an unexpected reaction from the LED bulb.
- The LED bulb body and the LED surface can reach very high temperatures. Do not touch the area with your hands or allow any skin contact as it may result in severe burns.
- When washing the car or when it rains, condensation may build up inside the bulb compartment due to the difference in temperatures inside and outside the bulb compartment. Please note that this will not affect the overall function of the LED bulb.

# INSTALLATION - H4/9003

## ■ Product Parts Introduction



1 Locking Ring

4 Tab (locking ring)

7 Bulb Connector

2 Heat Sink

5 Groove (locking ring)

8 Driver

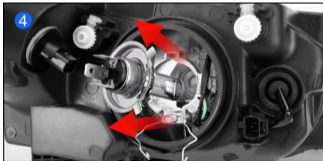
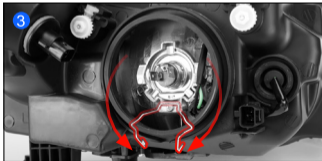
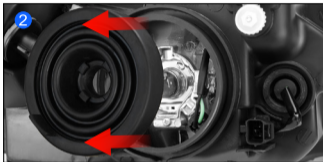
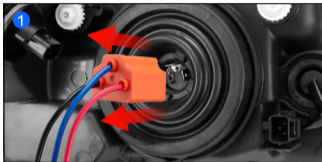
3 LED Component

6 Tab (LED bulb)

## ■ Installation Guidelines

### 1. Removing the vehicle's rubber cover and original bulb.

- 1 Disconnect the vehicle connector.
- 2 Remove the rubber cover.
- 3 Push down the bulb spring to release it.
- 4 Take out the original bulb.



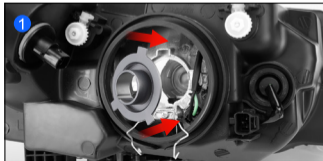


2. Holding the bulb by the heat sink, twist the locking ring counterclockwise until it unlocks, and then remove it.

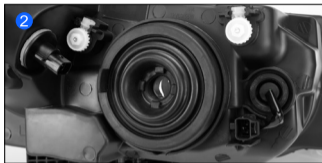
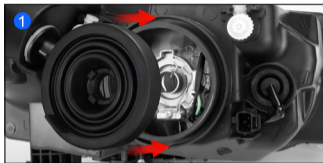


3. Install the locking ring to the vehicle's light housing and fix it in place using the bulb spring.

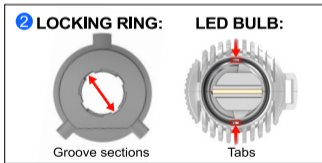
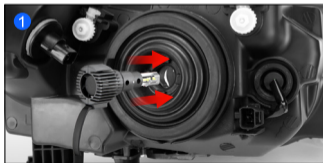
**▲ NOTE:** When installing the locking ring section to the vehicle's light housing, be very careful not to drop the locking ring inside the housing.



4. Put the original rubber cover into the vehicle's light housing and secure it in place.



5. Insert the led bulb through the secured locking ring. Line up the tab parts of the led bulb with the groove sections of the locking ring.

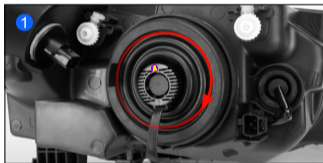


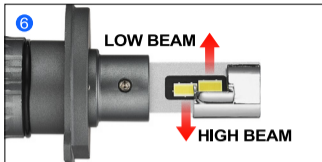
6. While pressing the bulb down, turn it clockwise until it does not turn anymore and then lock the LED bulb in place.

(Please make sure the LED bulb is installed in the correct position.)

The LED bulb should be installed so that the flat sides of the bulb containing the LED elements are facing 3 and 9 o'clock, respectively.

**▲ NOTE:**When installing LED bulbs, the heat sink should be oriented in the "UP" direction.

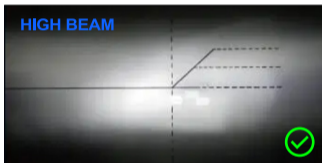
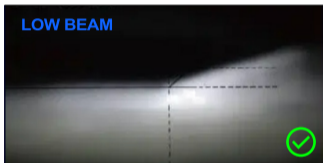




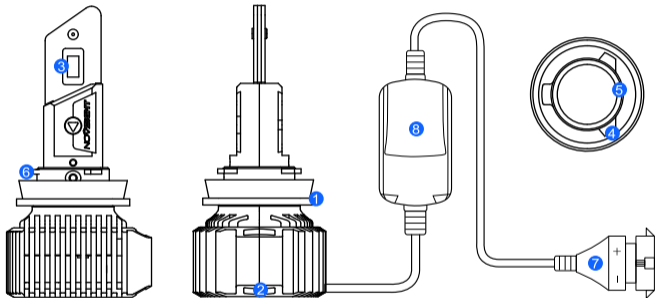
7. Connect the LED bulb connector with the original vehicle connector.



8. Start the car and drive to a position 10 meters in front of the wall or garage door, turn on the lights to see if it is working properly. And switch the High and Low beam lights at the same time to check whether the beam pattern projected by the high and low beam lights on the wall is consistent with the standard beam pattern.



## ■ Product Parts Introduction



1 Locking Ring

2 Heat Sink

3 LED Component

4 Tab (locking ring)

5 Groove (locking ring)

6 Tab (LED bulb)

7 Bulb Connector

8 Driver

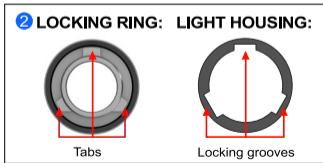
## ■ Installation Guidelines

### 1. Removing the original rubber cover and original bulb.

- 1 Push down the knob on the connector and disconnect the two parts.
- 2 Turn the bulb counter-clockwise and remove the original bulb.

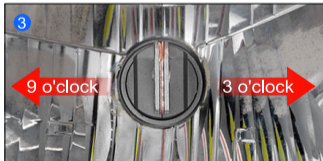


### 2. Insert the the bulb into the light housing. Line up the lab parts of the locking ring with the locking grooves of the light housing.



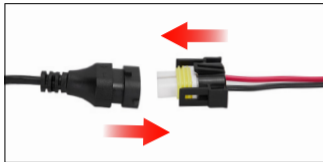
3. While pressing down the LED bulb, turn it clockwise until it does not turn anymore and then lock the LED bulb in place. The LED bulb should be installed so that the flat sides of the bulb containing the LED elements are facing 3 and 9 o'clock, respectively.

**⚠ NOTE:** The locking ring of H11 is made of thinner plastic. If it is installed in an incorrect position with too much force, the locking ring may be damaged.





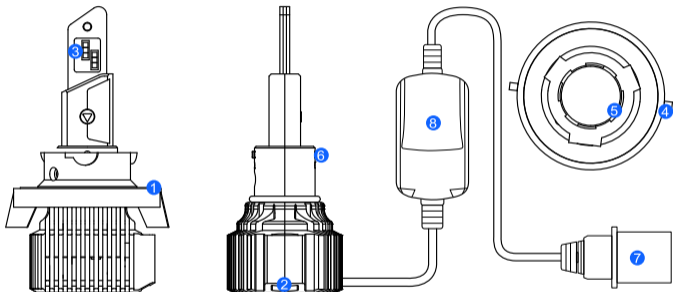
4. Connect the LED bulb connector with the original vehicle connector, then reinstall the rubber cover (if present).



5. Start the car to turn on the lights, check whether the high and low beam of the car are working properly, whether the lights are flickering, whether the car dashboard has an error warning, and test whether the car radio will be interfered. [If the above problems occur, please contact our customer service in time, we will solve the problem for you as soon as possible.](#) If the above problems do not occur, congratulations on the successful installation.

# INSTALLATION - H13/9008

## ■ Product Parts Introduction



1 Locking Ring

4 Tab (locking ring)

7 Bulb Connector

2 Heat Sink

5 Groove (locking ring)

8 Driver

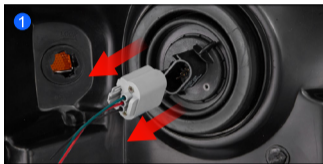
3 LED Component

6 Tab (LED bulb)

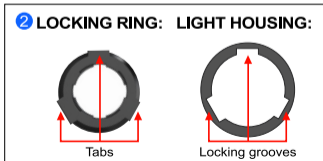
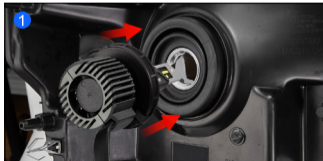
## ■ Installation Guidelines

### 1. Removing the original rubber cover and original bulb.

- 1 Push down the knob on the connector and disconnect the two parts.
- 2 Turn the bulb counter-clockwise and remove the original bulb.



### 2. Insert the bulb into the light housing. Line up the lab parts of the locking ring with the locking grooves of the light housing.

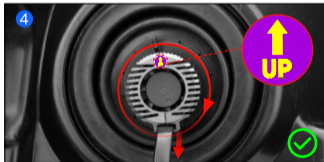
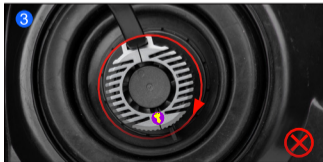
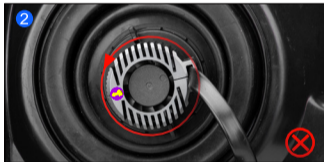
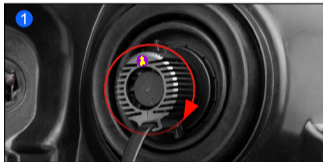


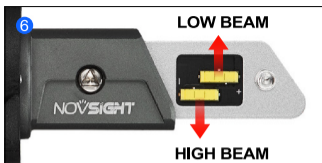
3. While pressing down the LED bulb, turn it clockwise until it does not turn anymore and then lock the LED bulb in place.

(Please make sure the LED bulb is installed in the correct position.)

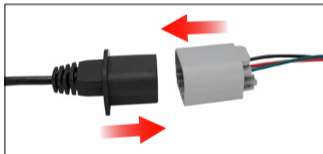
The LED bulb should be installed so that the flat sides of the bulb containing the LED elements are facing 3 and 9 o'clock, respectively.

**⚠ NOTE:**When installing LED bulbs, the heat sink should be oriented in the "UP" direction.





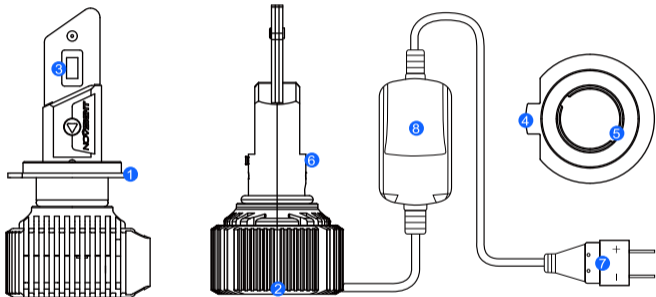
4. Connect the LED bulb connector with the original vehicle connector, then reinstall the rubber cover (if present).



5. Start the car to turn on the lights, check whether the high and low beam of the car are working properly, whether the lights are flickering, whether the car dashboard has an error warning, and test whether the car radio will be interfered. [If the above problems occur, please contact our customer service in time, we will solve the problem for you as soon as possible.](#) If the above problems do not occur, congratulations on the successful installation.

# INSTALLATION - H1/H3/H7

## ■ Product Parts Introduction



1 Locking Ring

4 Tab (locking ring)

7 Bulb Connector

2 Heat Sink

5 Groove (locking ring)

8 Driver

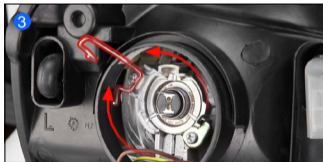
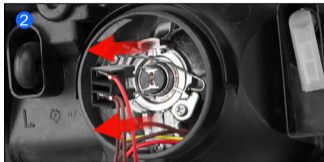
3 LED Component

6 Tab (LED bulb)

## ■ Installation Guidelines

### 1. Removing the vehicle's rubber cover and original bulb.

- 1 Remove the rubber cover.
- 2 Disconnect the vehicle connector.
- 3 Push down the bulb spring to release it.
- 4 Take out the original bulb.

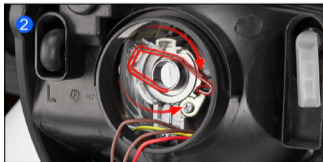


2. Holding the bulb by the heat sink, twist the locking ring counterclockwise until it unlocks, and then remove it.



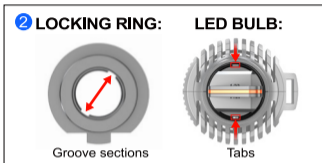
3. Install the locking ring to the vehicle's light housing and fix it in place using the bulb spring.

**▲ NOTE:** When installing the locking ring section to the vehicle's light housing, be very careful not to drop the locking ring inside the housing.





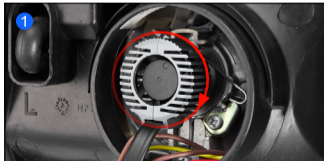
4. Insert the LED bulb through the secured locking ring. Line up the tab parts of the led bulb with the groove sections of the locking ring.



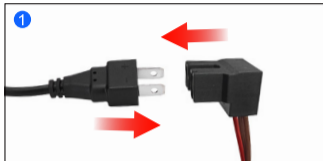
5. While pressing the bulb down, turn it clockwise until it does not turn anymore and then lock the LED bulb in place.

(Please make sure the LED bulb is installed in the correct position.)

The LED bulb should be installed so that the flat sides of the bulb containing the LED elements are facing 3 and 9 o'clock, respectively.



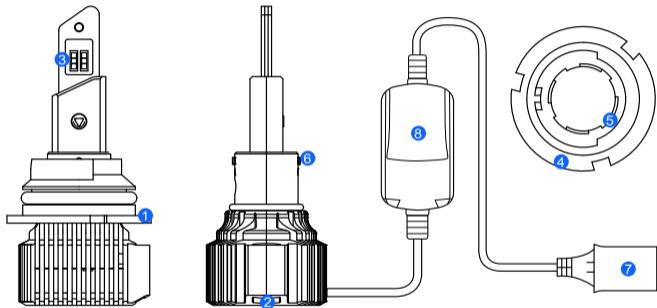
6. Connect the LED bulb's connector with the original vehicle connector, then reinstall the rubber cover.



7. Start the car to turn on the lights, check whether the high and low beam of the car are working properly, whether the lights are flickering, whether the car dashboard has an error warning, and test whether the car radio will be interfered. [If the above problems occur, please contact our customer service in time, we will solve the problem for you as soon as possible.](#) If the above problems do not occur, congratulations on the successful installation.

# INSTALLATION - 9004/9007

## Product Parts Introduction



1 Locking Ring

2 Heat Sink

3 LED Component

4 Tab (locking ring)

5 Groove (locking ring)

6 Tab (LED bulb)

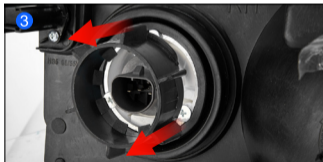
7 Bulb Connector

8 Driver

## ■ Installation Guidelines

### 1. Removing the vehicle's original bulb.

- 1 Push down the knob on the connector and disconnect the two parts.
- 2 Rotate counterclockwise and remove the vehicle's original bulb holder.
- 3 Remove the original bulb.

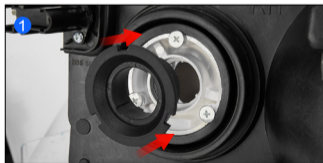


2. Holding the bulb by the heat sink, twist the locking ring counterclockwise until it unlocks, and then remove it.

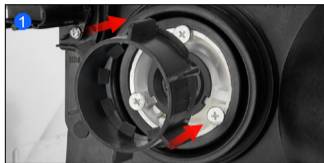


3. Install the locking ring to the vehicle's light housing and lock it in place.

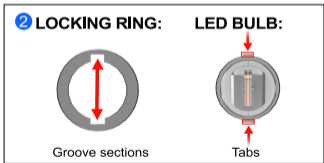
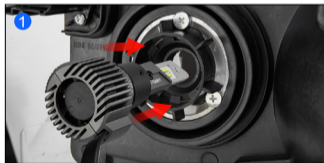
**▲ NOTE:** When installing the locking ring section to the vehicle's light housing, be very careful not to drop the locking ring inside the housing.



4. Insert the vehicle's original light holder into the vehicle's housing, rotate clockwise and lock it in the place.

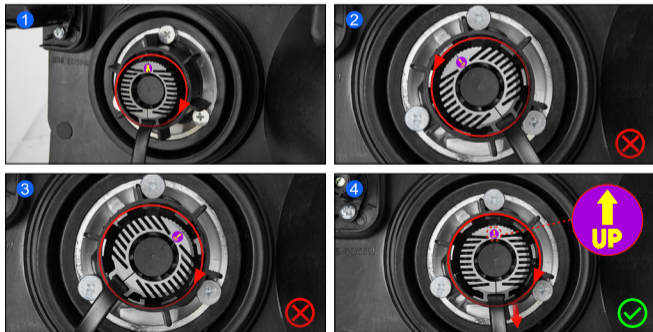


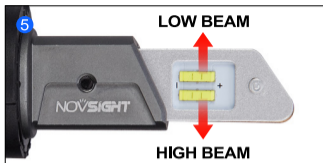
5. Insert the LED bulb through the secure locking ring. Line up the tab parts of the led bulb with the groove sections of the locking ring.



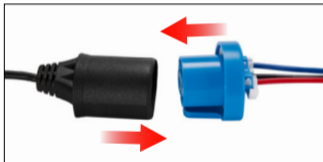
6. While pressing down the LED bulb, turn it clockwise until it does not turn anymore and then lock the LED bulb in place.  
(Please make sure the LED bulb is installed in the correct position.)  
The LED bulb should be installed so that the flat sides of the bulb containing the LED elements are facing 3 and 9 o'clock, respectively.

**⚠ NOTE:**When installing LED bulbs, the heat sink should be oriented in the "UP" direction.





7. Connect the LED bulb's connector with the original vehicle connector.



8. Start the car to turn on the lights, check whether the high and low beam of the car are working properly, whether the lights are flickering, whether the car dashboard has an error warning, and test whether the car radio will be interfered. [If the above problems occur, please contact our customer service in time, we will solve the problem for you as soon as possible.](#) If the above problems do not occur, congratulations on the successful installation.



## QUICK TROUBLESHOOTING

| TROUBLE                         | SOLUTION   |
|---------------------------------|--|
| The lights do not work properly | <ol style="list-style-type: none"><li>1. Check if the power connectors are properly connected, and make sure that the vehicle headlight switch is on the "ON" position.</li><li>2. Make sure that the vehicle's battery is fully charged to supply power to the LED bulb.</li><li>3. Install the LED bulbs with the resistors (CANbus).</li><li>4. The resistor (CANbus) is polarity sensitive. If the LED bulbs do not function properly after installation, please reverse the resistor (CANbus) male connector 180 degrees and try again.</li></ol> |
| One of the bulbs is not working | <ol style="list-style-type: none"><li>1. Make sure the connection is good. If one of the bulbs still doesn't work, swap the left and right side bulbs and test again.</li><li>2. Some series of car lights are polarity sensitive. If the LED bulbs do not work properly after installation, please reverse the connector 180 degrees and try again.</li></ol>   |

| <b>TROUBLE</b>   | <b>SOLUTION</b>   |
|--|---|
| <p>The lights flicker or flash</p>                                   | <p>Install the LED bulb with the resistors (CANbus) to resolve the issue.</p>   |
| <p>A warning lamp appears on the vehicle's system dashboard</p>      | <p>This is a harmless side-effect of the low-wattage LED bulbs not being recognized by the vehicle's system and can be resolved with the installation of an additional set of resistors (CANbus).</p>   |
| <p>The light pattern is wrong after the car lights are installed</p> | <ol style="list-style-type: none"> <li>1. Check whether the lamp body is installed and turned up and down. As H4, H13 and 9004/9007 models are installed separately from the top and the bottom.</li> <li>2. Check whether the lamp body is rotated in the correct direction and locked in place after inserting the locking ring.</li> </ol> |

## **ABOUT NOVSIGHT**

- **Our Story:** The Novsight team adheres to the brand with ingenious products, serves customers and brings people a safe and high-quality life. The original intentions and dreams continue to develop.
- **Our Slogan:** Light Up Your Way Home
- **Our Vision:** Establish a top brand in the automobile lighting industry.
- **Our Mission:** Focus on customer experience, focus on customer safety, and provide cost-effective products.
- **Our Values:** Customer First and Innovative

## **DISCLAIMER**

- NOVSIGHT does not warrant its goods against any defect or damage caused by transportation, storage, improper installation and maintenance, internal or external hostile environments, misuse, abuse, negligence, accident, modification, tampering, the attachment of any unauthorized accessory, alteration to the goods, poor workmanship, or any other conditions whatsoever that cause a defect or failure of the product.
- NOVSIGHT's sole responsibility under this warranty shall be, at its option, to either repair or replace any goods which fail during the warranty period, provided that the buyer has promptly reported the said failure to NOVSIGHT in writing, and complies with the provisions of this warranty.

## PRODUCT SPECIFICATIONS

|                           |                                 |
|---------------------------|---------------------------------|
| Product Type and Quantity | LED headlight bulbs x 2         |
| Operating Voltage         | DC 9V-32V                       |
| Waterproof Rating         | IP68                            |
| LED Chip                  | Customized Auto Grade LED Chips |
| Heat Sink Material        | 6063 Aluminum                   |
| Cooling                   | Turbo Cool Fan                  |
| Color Temperature         | 6000K-6500K                     |
| Operating Temperature     | -49°F to 185°F                  |
| Lifespan                  | 100,000 Hours                   |
| Warranty                  | 2 Years                         |

## **CONTACT US**

- Email: [service@novsights.com](mailto:service@novsights.com)
- Phone: 1-888-862-9850 Mon-Fri 9am-5pm (PST)
- Facebook Page: [www.facebook.com/novsight.led](http://www.facebook.com/novsight.led)
- Facebook VIP Member Group: [www.facebook.com/groups/novsight.members](http://www.facebook.com/groups/novsight.members)
- Website: [www.novsights.com](http://www.novsights.com)

**NOV SIGHT**  
AUTO LIGHTING