



## INSTALLATION INSTRUCTIONS



### GEN 2

## Installation Instructions & User's Manual



## About The 8.7" Gen 2 LED Light Cannon Kit:



### **FEATURES**

1. Lightweight hybrid housing.
2. Integrated electronic thermal management (ETM).
3. Twenty four 7 watt LEDs produce 1,405' of usable light.

### **8.7" GEN2 LED LIGHT CANNON KIT SPECIFICATIONS**

- |                  |                                  |
|------------------|----------------------------------|
| 1. Warranty      | : Extended                       |
| 2. Amp Draw      | : 28A @ 12V DC                   |
| 3. Input Voltage | : 9-32V DC                       |
| 4. Beam Patterns | : 10°, Snap-On Filters Available |
| 5. LED Lifespan  | : 50,000 Hours                   |

### **PREPARATION**

1. We recommend completely reading instructions before installing.
2. Consult your local state regulatory agency regarding the use of LED lighting.
3. The placement of LED lighting should not restrict airflow to the radiator or block head lamps, turn signals, or parking lights.

### **MAINTENANCE**

1. All Vision X models have been designed for maintenance free use. In the case an LED lamp or other part replacement is needed please contact your authorized service center.

## 8.7" GEN 2 LED LIGHT CANNON



**1**

Cannon



**LIGHT**

Qty: 2

**2**

Two Light  
Harness



**WIRING**

Qty: 1

**3**

Hex Head Bolt  
[M12]



**PART (B1)**

Qty: 2

**5**

Washer  
[M12]



**PART (W1)**

Qty: 2

**6**

Nylock Nut  
[M12]



**PART (N1)**

Qty: 2

### **WARNINGS**

As with many other high-tech products, this VISION X LED requires a bit of attention before you can use it. Please read the accompanying information carefully first.

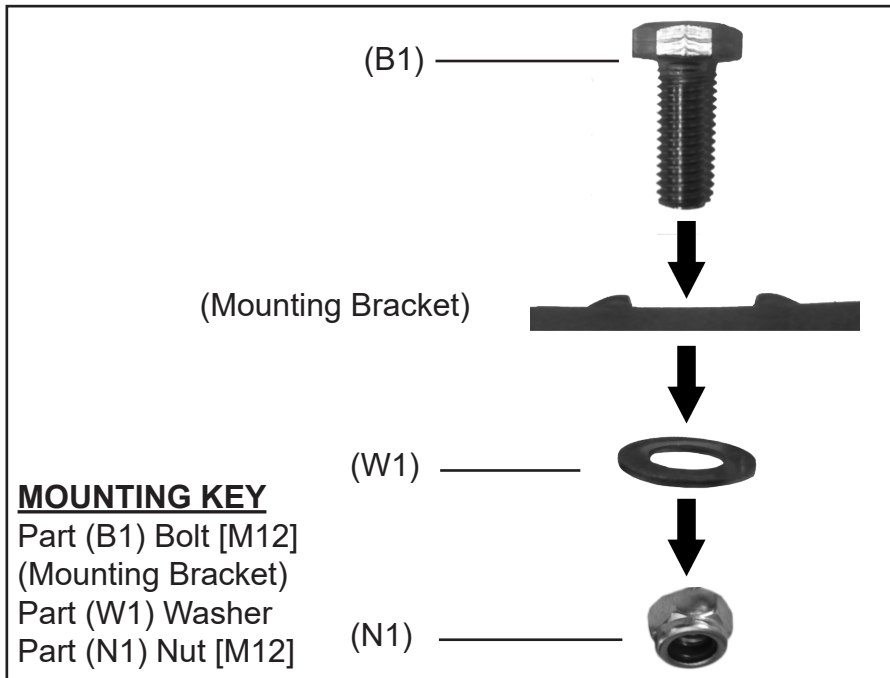
1. Don't stare directly into the light or shine directly into the eyes of another person as this may cause temporary loss of vision.
2. Never disassemble the products, as all parts must be factory serviced to insure proper operation.
3. Don't interchange the parts inside this light with other products.
4. The LED light is to be mounted on the vehicle only in a vertical, bottom mounting, or in a suspended position.
5. After turning on the light, the body might be hot enough to warrant a burn risk. Be careful when you touch the body after turning on the light for a long period of time.
6. Use the supplied wire harness for electrical installation.
7. The LED light must not adversely affect the performance of low beam, high beam, engine cooling or the driver's view.

**WARNING: Bolts, Nuts, and Washers are Stainless Steel. DO NOT USE Pneumatic or Electric Tools to Tighten and Loosen. The Hardware Will Permanently Lock Together.**

## **MOUNTING INSTALLATION INSTRUCTION**

1. Determine where the light/lights will be placed.
2. Place mounting bracket with light to desired location. Using a marker or pick tool, mark the center point of the bolt hole on the mounting surface.
3. Set the light aside. Drill out a large enough hole to fit the [M12] bolt Part (B1).
4. Line up the mounting bracket with the hole you just drilled, slide the [M12] Bolt (B1) through both.
5. On the other side of mounting surface slide the [M12] Washer Part (W1) and [M12] Nylock Nut Part (N1) onto the [M12] Bolt (B1). Tighten Nut & Bolt to desired tightness.

## **MOUNTING DIAGRAM:**



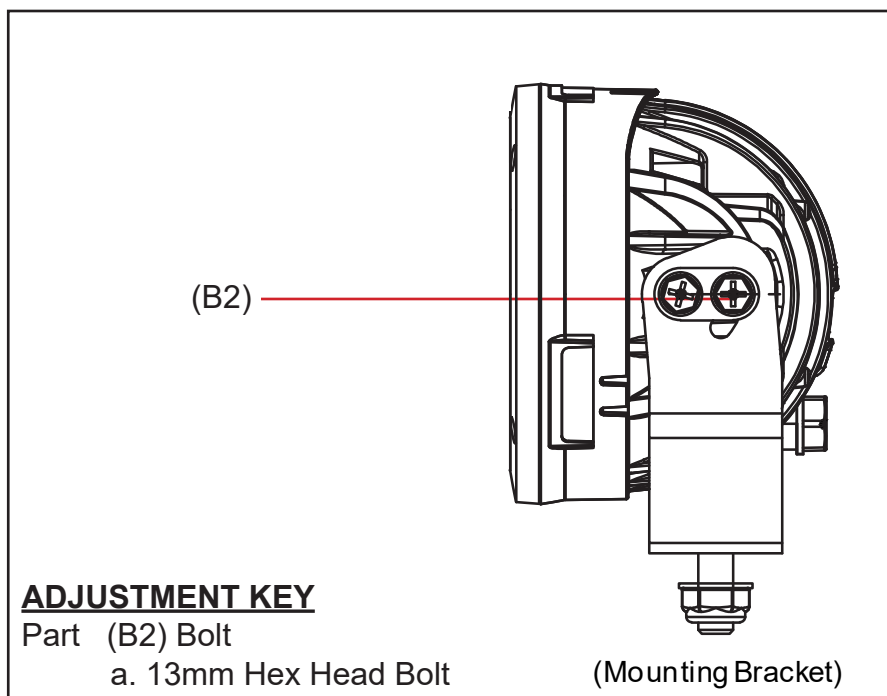
## 8.7" GEN 2 LED LIGHT CANNON



### LIGHT ANGLE ADJUSTMENTS

1. Use a 13mm socket to loosen the 2 Hex head bolts Part (B2) on each side of the light.
2. Adjust the light to your desired angle and tighten Bolts (B2).

### LIGHT ANGLE ADJUSTMENT DIAGRAM:



### ADDITIONAL INFORMATION

If needed, additional information and related products, as well as a digital copy of these instructions, can be located online at [www.visionxusa.com](http://www.visionxusa.com)

**TIP:** For complete application guide see website



## **WIRING INSTALLATION INSTRUCTION**

1. Find a suitable place to mount Relays Part (R1 & R2) leaving enough room for Power & Ground wires Part (W1,W2,W3,W4) to reach the battery & the Deutsch connectors Part (C1 & C2) to reach the lights. Mount Relays.
2. Run Power wires (W1, W3) & Ground wires (W2 , W4) to the battery. Connect the Power wires (W1 , W3) to the Positive (+) battery terminal and connect the Ground wire (W2 , W4) to the Negative (-) Battery Terminal.
3. Run the Deutsch Connector wiring, (C1 & C2) to each light and plug in. It doesn't matter which Deutsch Connector plugs into which light.
4. Disconnect the Switch Part (S1) at the white Plug Part (P1) and run the wire through the vehicles fire wall to desired mounting location inside the Cab, [using a factory rubber or plastic grommet is suggested].
5. Drill the hole to the required size for the Switch (S1) and mount to desired position.
6. Reconnect the Switch (S1) to the Harness.
7. Test Light.

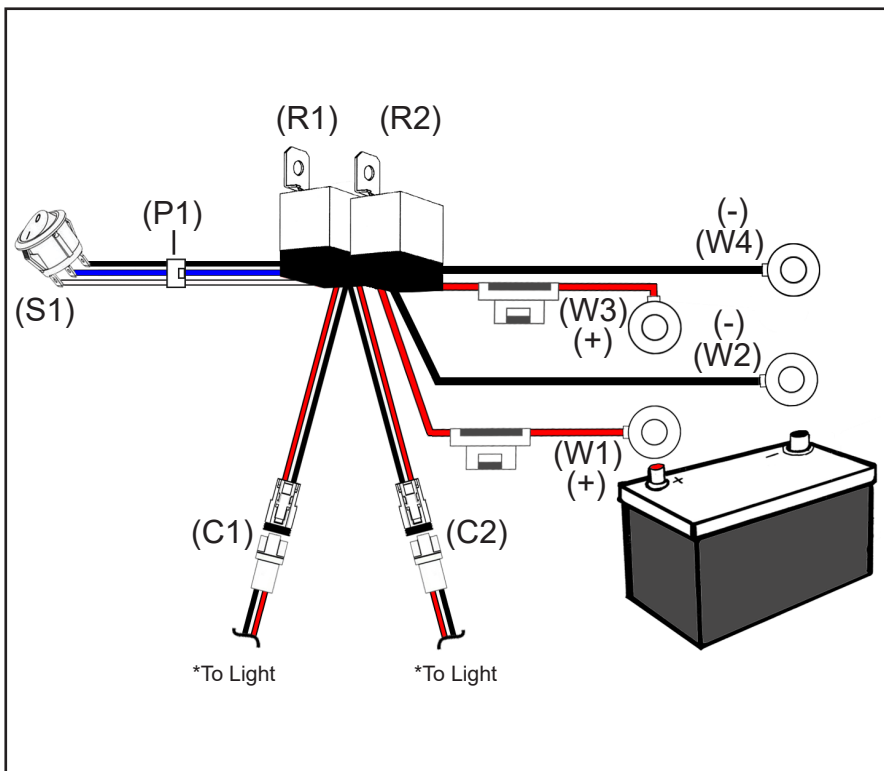
## **MANUFACTURER RECOMMENDATION**

For those unfamiliar with electrical wiring on vehicles, Vision X recommends that all LED Lighting products are professionally installed.

# 8.7" GEN 2 LED LIGHT CANNON



## WIRING DIAGRAM:



## COMPONENTS KEY

Part (R1 & R2) Relay

Part (W1 & W3) Power Wire for Relay Coil

a. 9-32V DC Volt Positive (+) Input Wire

Part (W2 & W4) Ground Wire for Relay Coil

a. 9-32V DC Negative (-) Input Wire

Part (C1 & C2) Deutsch Connectors for Lights

a. Attached to 9-32V DC Positive (+) Power Wires

Part (S1) Switch

Part (P1) Switch Plug





## You May Also Be Interested In:



**TANTRUM**  
Rugged LED Rock Light Kit  
*Available in variety of Colors*



**SECURITY NUT**  
*Available in multiple sizes*



**SECURITY BOLT**  
*Available in multiple sizes*



**CLAMP TUBE MOUNT**  
*(2.0"-3.0" Diameter Available)*



Clear  
Pattern - Spot



Amber  
Pattern - Euro



Blue  
Pattern - Elliptical



Red  
Pattern - Flood



Black  
Pattern - Solid Black

### **COVERS**

*Comes in a variety of colors  
and beam patterns*