



## Installation Instructions & User's Manual



**[www.VISIONXUSA.com](http://www.VISIONXUSA.com)**

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# **VISION X 6.7" LED LIGHT CANNON KIT**

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## About the 6.7" LED Light Cannon:



### **FEATURES**

1. Single 50 Watt LED Produces 2500' of Usable Light
2. Integrated Electronic Thermal Management (ETM)
3. PWM Integrated Dimming Circuitry

### **CANNON CTL-CPZ610 SERIES SPECIFICATIONS**

1. Warranty : Extended
2. Amp Draw : 8.34A (12V)
3. Input Voltage : 9-32V
4. Beam Patterns : 10°, 20°, 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.



**1** LED Light Pod



**MOUNTING** Qty: 2

**2** Two Light Harness



**WIRING** Qty: 1

**3** Hex Head Bolt (5mm)



**PART (M1)** Qty: 2

**4** Allen Key (5mm)



**PART (M5)** Qty: 1

**5** Washer (5mm)



**PART (M2)** Qty: 2

**6** Nylock Nut (5mm)



**PART (M3)** 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.

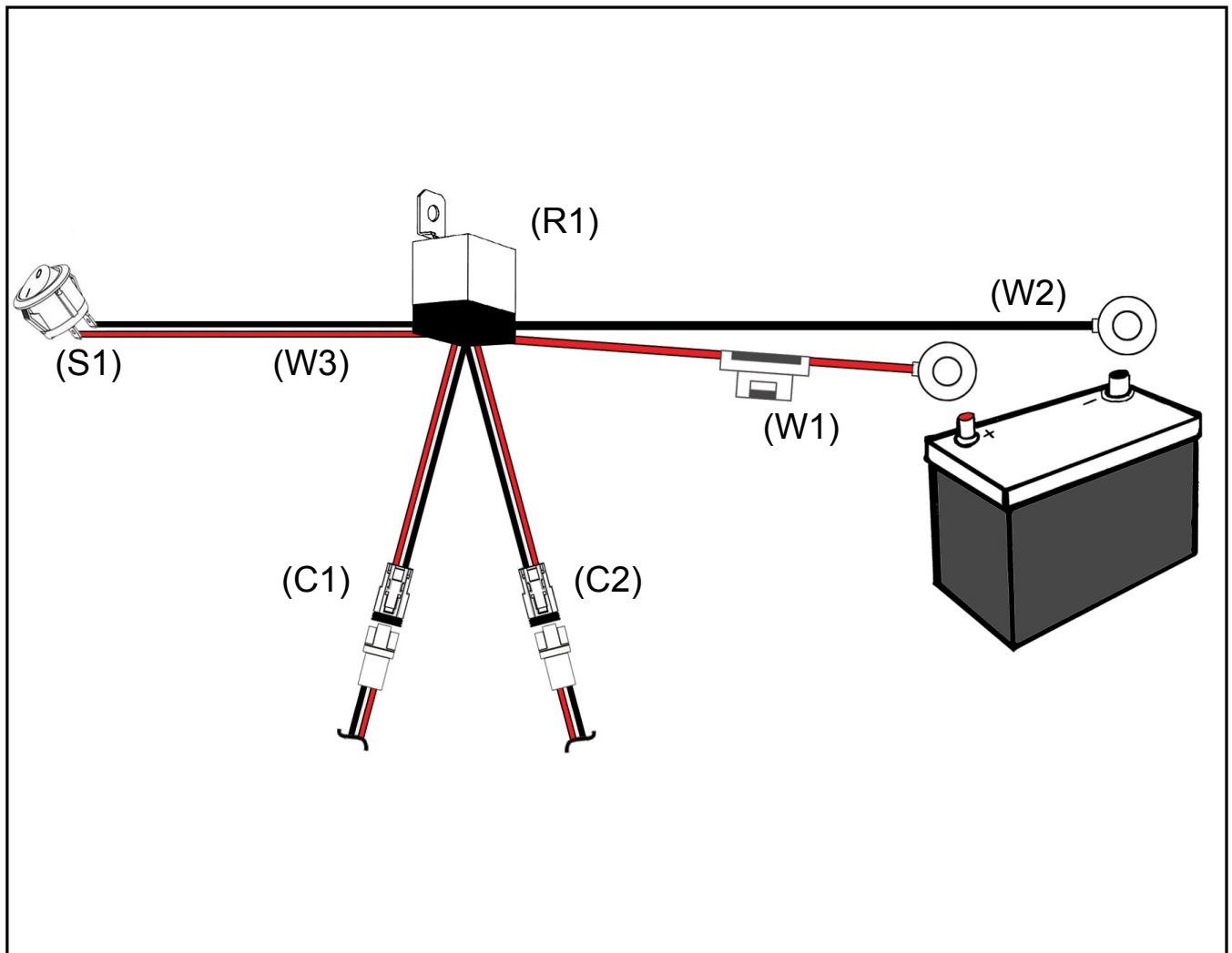
1. Don't stare directly into the light or shine directly into the eyes of another person as this may cause temporary loss of vision.
2. Never disassemble the products, as all parts must be factory serviced to insure proper operation.
3. Don't interchange the parts inside this light with other products.
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.

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## WIRING INSTALLATION

1. Find a suitable place to mount Relay [Part R1] leaving enough room for Power & Ground Wire [Parts W1 & W2] to reach the Battery & the Deutsch Connector Wiring [Parts C1 & C2] to reach the Lights. Mount Relay.
2. Run Power Wire [Part W1] & Ground Wire [Part W2] to the Battery. Connect the Power Wire [Part W1] to the Positive (+) Battery Terminal & connect the Ground Wire [Part W2] to the Negative (-) Battery Terminal.
3. Run the Deutsch Connector Wiring [Parts C1 & C2] to each Light and Plug in. It doesn't matter which Deutsch Connector plugs into which Light.
4. Unplug Power Wire [Part W3(+)] from the Toggle Switch [Part S1]. Run Power Wire [Part W3(+)] to the Vehicles Fire Wall at the point that you will bring the Wire through to the inside of the Cab (using a Factory Rubber or Plastic Grommet is suggested). Run Power Wire [Part W3(+)] to the inside of the Cab. Note: This Wire can be extended if necessary.
5. Find a suitable place to Drill the Hole needed to mount the Toggle Switch [Part S1] and Continue to run the Power Wire [Part W3(+)] to that location. Plug the Power Wire [Part W3(+)] into Outside Pin of Toggle Switch [Part S1]. It doesn't matter which Outside Pin you use.
6. Drill the Hole to the required size for the Threaded Neck Portion of the Toggle Switch [Part S1]. Mount Toggle Switch [Part S1].



### **COMPONENTS KEY**

Part (R1) Relay

Part (W1) Ground Wire for Relay Coil  
a. 12 Volt Negative (-) Input Wire

Part (W2) Power Wire for Relay Coil  
a. 12 Volt Positive (+) Input Wire

Parts (C1 & C2) Deutsch Connectors for Lights  
a. Attached to 12 Volt Positive (+) Power Wires

Part (W3) Power Wire for Relay Input  
a. 12 Volt Positive (+) Input Wire [Part R1]

Part (S1) Toggle Switch

# VISION X 4.5" LED LIGHT CANNON KIT

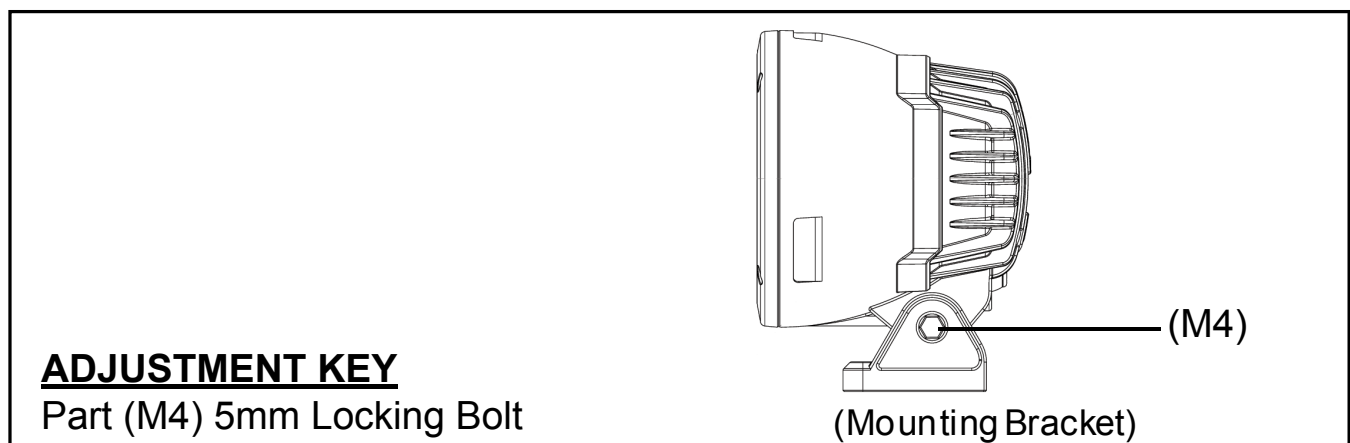
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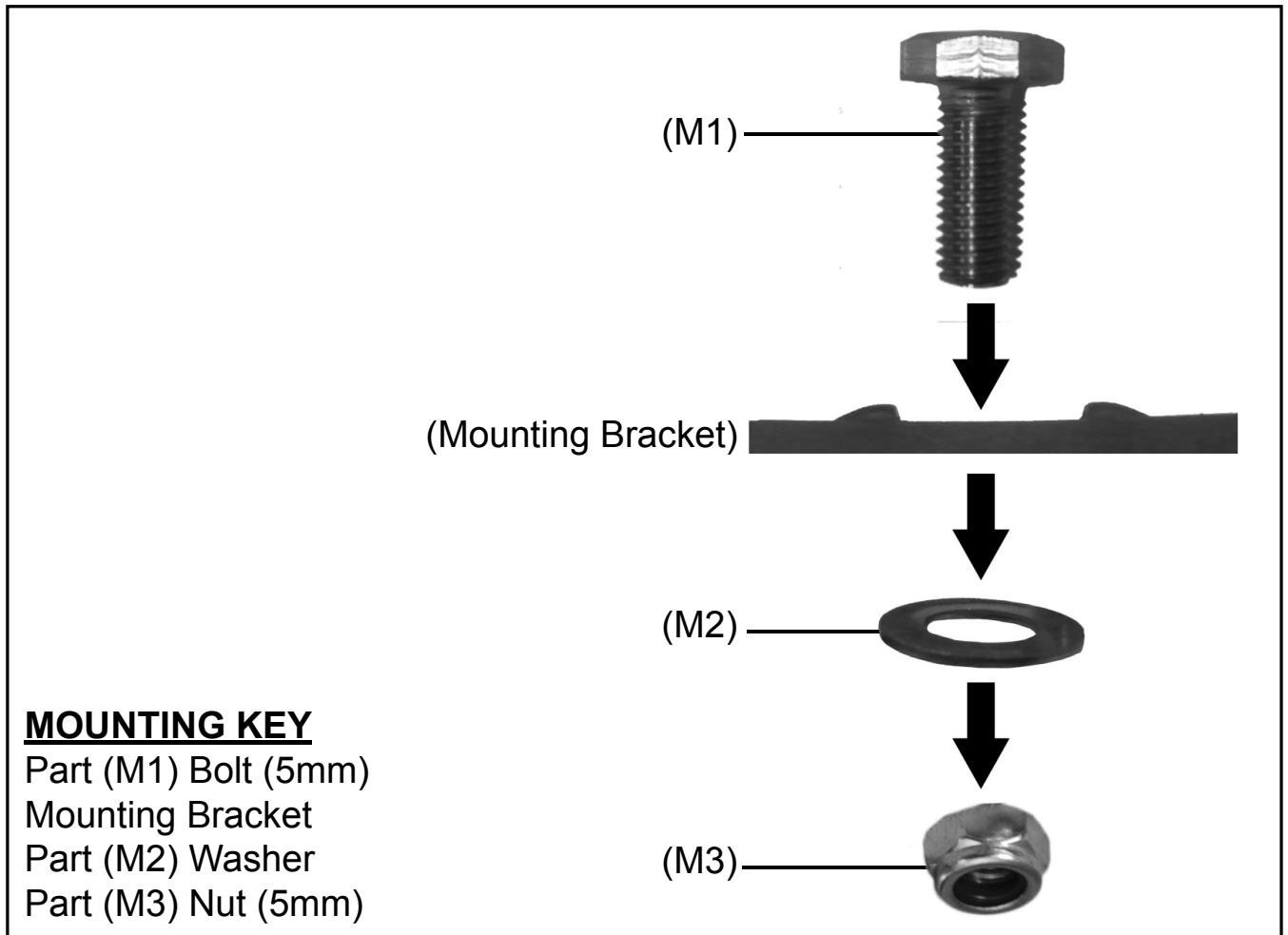
## MOUNTING INSTALLATION

1. Determine where the light/lights will be placed.
2. Hold mounting bracket with light to desired mounting surface. Using a marker or pick tool, mark the bolt hole on the desired mounting surface.
3. Set the light aside. Find the center point of the hole you have marked out and drill out a large enough hole to fit the 5mm bolt [Part M1].
4. Remove the Mounting Bracket from Light by unscrewing the (2) 5mm Allen Head Bolts [Part M4], one on each side.
5. Set Bracket down on Desired Mounting Surface, Lining up the Hole in the center of Mounting Bracket with the Hole you just Drilled, Slide 5mm Bolt [Part M1] through both.
6. On the other side of Mounting Surface slide 5mm Washer [Part M2] and 5mm Nylock Nut [Part M3] onto 5mm Bolt. [Part M1] Tighten Nut [Part M3] & Bolt [Part M1] to Desired Tightness.
7. Hold Light in Mounting Bracket while screwing in the (2) 5mm Allen Head Bolts [Part M4], one on each side. Use 5mm Allen Key [Part M5] to tighten both 5mm Allen Head Bolts [Part M4] to Desired Tightness.

## LIGHT ANGLE ADJUSTMENT

1. Use the 5mm Allen Key [Part M5] to loosen each of the Allen Head Bolts [Part M4] on either side of the light.
2. Adjust the light until you have your desired angle.
3. Then, tighten the Allen Head bolts [Part M4] to hold the desired position.





**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.**



You May Also Be Interested In:

Beam Pattern and Color Changing Poly Carbonate Lens' to Create 20 Lights in 1



PCV-6500  
Pattern - Spot



PCV-6500EU  
Pattern - Euro



PCV-6500EL  
Pattern - Elliptical



PCV-6500FL  
Pattern - Flood



PCV-6500WF  
Pattern - Wide Flood



PCV-6500Y  
Pattern - Spot



PCV-6500YEU  
Pattern - Euro



PCV-6500YEL  
Pattern - Elliptical



PCV-6500YFL  
Pattern - Flood



PCV-6500YWF  
Pattern - Wide Flood



PCV-6500B  
Pattern - Spot



PCV-6500BEU  
Pattern - Euro



PCV-6500BEL  
Pattern - Elliptical



PCV-6500BFL  
Pattern - Flood



PCV-6500BWF  
Pattern - Wide Flood



PCV-6500R  
Pattern - Spot



PCV-6500REU  
Pattern - Euro



PCV-6500REL  
Pattern - Elliptical



PCV-6500RFL  
Pattern - Flood



PCV-6500RWF  
Pattern - Wide Flood