



INSTALLATION INSTRUCTIONS

OPTIMUS

UNIVERSAL LED DRIVING LIGHT

OPTIMUS DUAL LED LIGHT KIT

Installation Instructions & User's Manual



1	Optimus Dual
	
LIGHT	Qty: 2

2	Two Light Harness
	
WIRING	Qty: 1

3	Hex Head Bolt [M8]
	
PART (B1)	Qty: 2

4	Allen Key [5mm]
	
PART (A1)	Qty: 2

5	Washer [M8]
	
PART (W1)	Qty: 2

6	Nylock Nut [M8]
	
PART (N1)	Qty: 2

About The Optimus Dual LED Light Kit:

FEATURES

1. High strength adjustable trunnion mount.
2. Dual 10 watt LED produces 883' of usable light.
3. Prime Drive Dimming Fuction.

OPTIMUS SERIES SPECIFICATIONS

- | | |
|------------------|------------------|
| 1. Warranty | : Extended |
| 2. Amp Draw (EA) | : 1.67A @ 12V DC |
| 3. Input Voltage | : 9-32V DC |
| 4. Beam Patterns | : 10°, 20°, 60° |
| 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.

OPTIMUS DUAL LED LIGHT

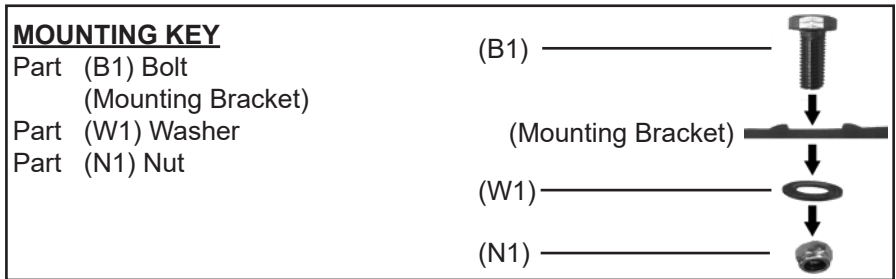


WARNING: Bolts, Nuts, and Washers are Stainless Steel. DO NOT USE Pneumatic or Electric Tools to Tighten and Loosen. The Hardware Will Permanently Lock Together.

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 [M8] bolt Part (B1).
4. Remove the mounting bracket from the lights by unscrewing the 2 5mm Allen Head Bolt Part (B2).
5. Line up the mounting bracket with the hole you just drilled, slide the [M8] Bolt (B1) through both.
6. On the other side of mounting surface slide the [M18] Washer Part (W1) and [M8] Nylock Nut Part (N1) onto the [M8] Bolt (B1). Tighten Nut & Bolt to desired tightness.
7. Reassemble the light back on the mounting bracket by reapplying the 5mm Allen Head Bolts (B2). Tighten to desired tightness.

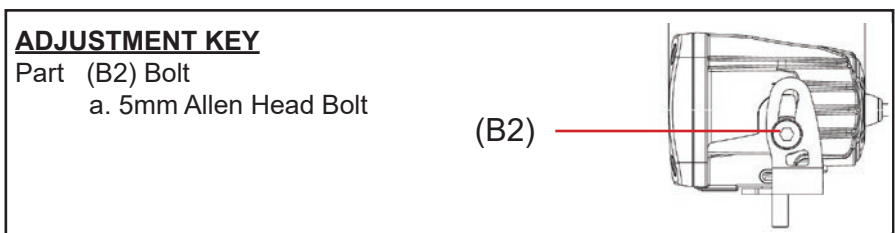
MOUNTING DIAGRAM



LIGHT ANGLE ADJUSTMENTS

1. Use the 5mm Allen Key PART (A1) to loosen the Allen head bolts Part (B2) on the side of the light.
2. Adjust the light to your desired angle and tighten Bolt (B2).

LIGHT ANGLE ADJUSTMENT DIAGRAM:





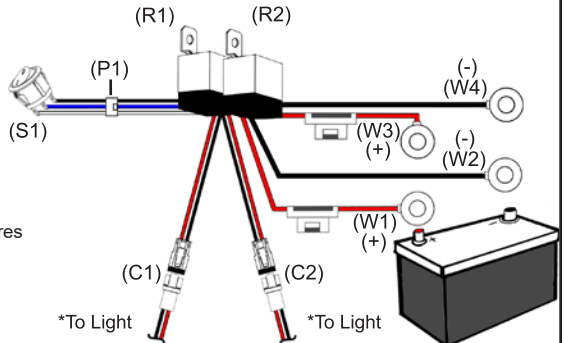
WIRING INSTALLATION INSTRUCTION

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 and Test Light.

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



DIMMING FUNCTION

Your light is capable of dimming through the Prime Drive wire on the light's plug. To achieve this requires our authorized accessories, the XIL-PDIMMER, or XIL-PDIMMERBUTTON. **Do Not** connect the Prime Drive wire without authorized accessories as this will damage the electronics.

