



INSTALLATION INSTRUCTIONS AND MANUAL

FOR

Lunasee PRO 1000

Hi-Viz Wheel Light Charging system
with

LunaGlo Rim Tape

Note: These instructions apply to both the one wheel and two wheel versions. One wheel kits will only require application of LunaGLO rim tape and LEDs on one wheel.

Installation Introduction

The Lunasee PRO1000 Controller requires 0.4 Amps with a nominal 12 Volt DC power supply.

Congratulations! Your new *Lunasee Hi-Viz Wheel Lighting System* is the most eye catching side lighting product on the market. The unique light signature of the system increases your nighttime safety by making your bike highly visible to other drivers. The system works by directing energy from compact LEDpods onto a thin, photoluminescent pinstripe (*LunaGLO Rim Tape*) on the wheel rim. As the wheel rotates past the LEDpods, the pinstripe absorbs light from the LEDpods, causing it to glow brightly. Only the pinstripe is mounted on your wheel rim – no wires or LED bulbs. The LEDpods are attached to the frame or fork and are typically hidden away. The result is a super clean look that is practically invisible by day and brilliant at night.

NOTE: Please read and follow these instructions carefully. It is important to install the components correctly and in the right order. While we do warrant against defects, we do not take responsibility for improper installation.

Lunasee

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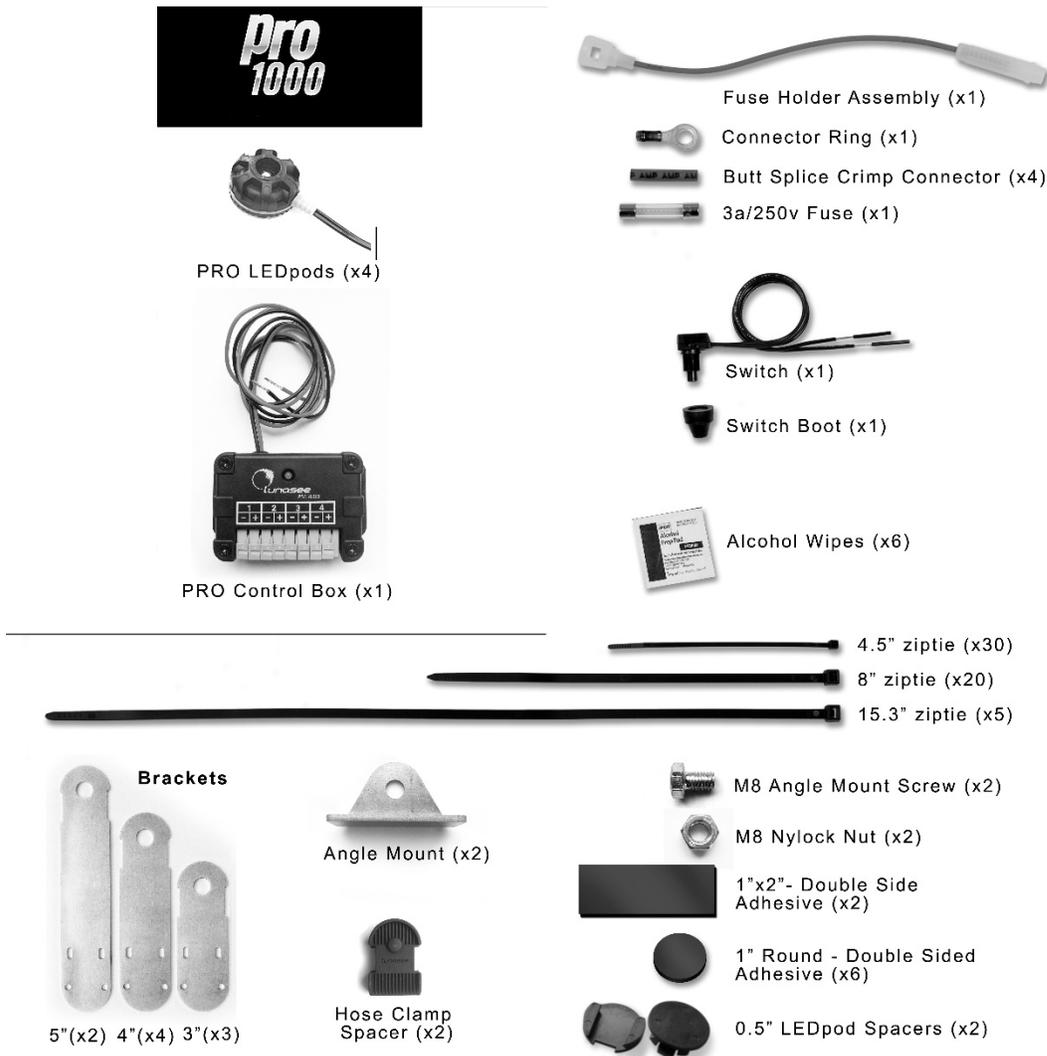
lunasee.com

For Technical Questions – Email us at techsupport@lunasee.com or call 252-353-4354 Option 2

Parts List

Please refer to the diagram below for part terminology used throughout the following instructions. Please note that you will not utilize all of the included mounting hardware. You will only use mounting hardware for the mounting methods chosen for your bike.

(Items not to scale)



LunaGLO rim tape

LunaGLO rim tape & Tape Applicator Tool

1 Wheel Kits

Please note following part adjustments for one wheel kits: 2 x LEDpods, 2 x 4" brackets, 2 x 3" brackets, no Hose Clamp Spacers, no Angle Mounts, no 1"x 2" Double Side Adhesive, no M8 Angle Mount Screws, no M8 Nylock nuts

Other items you may need

Dielectric grease, threadlocker, heat shrink, hose clamp

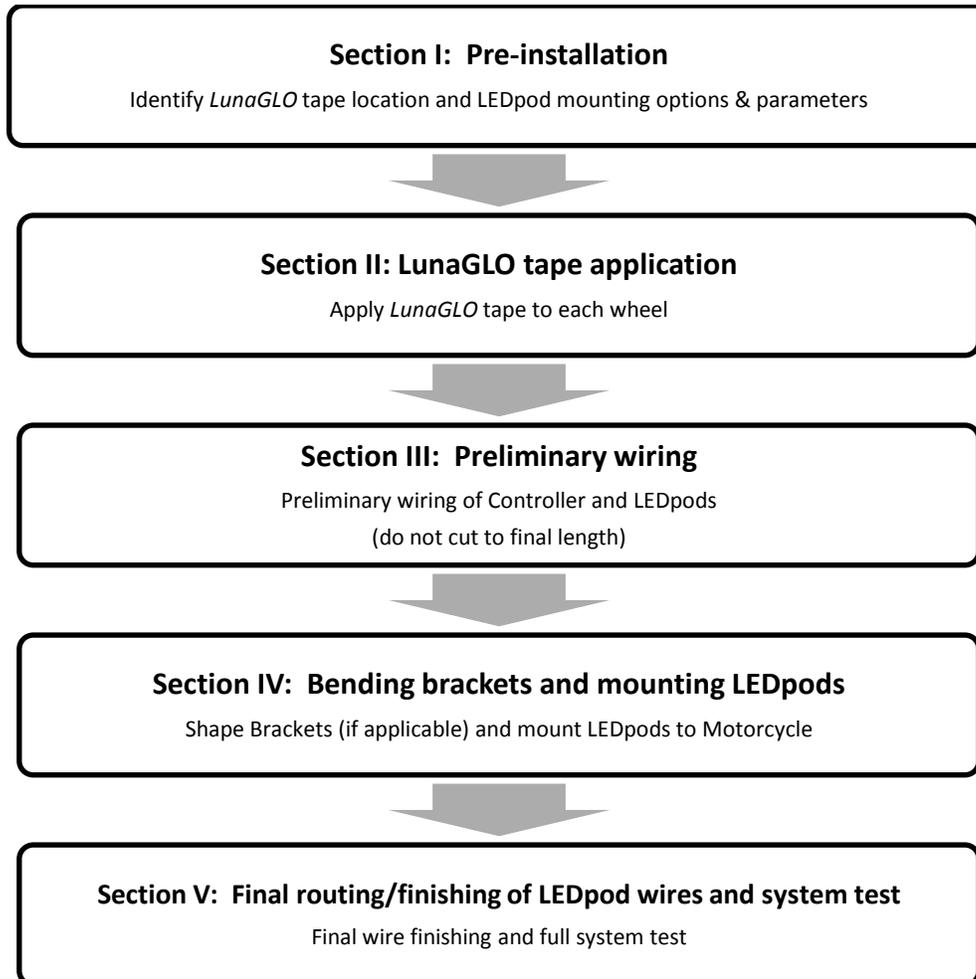
Tools you may need

Wire trimmers, wrench, pliers or vice grip. An extra person may be helpful during parts of the installation.



Installation Overview

These instructions are divided into 5 sections described below. Please familiarize yourself with this process and always complete in order. It is important to understand that the LEDpods must be targeted with precision at the *LunaGLO* tape on the rim and within certain distance parameters during normal riding taking into account any suspension movement or other moving parts. Please follow and read instructions carefully to avoid completing the installation and finding your LEDpods are not appropriately targeted.



IMPORTANT ITEMS YOU SHOULD KNOW

- 1. LEDs emit UV light. NEVER look directly at the light source.**
- 2. Never touch the surface of the actual LED while handling and installing LEDs.**
- 3. PRO1000: Never connect LEDs directly to Power without Controller – it may damage LEDs.**
- 4. PRO1000: When hooking up LEDs to Controller, please note that they are wired in pairs to the Controller (Port 1,2 and Port 3,4). BOTH LEDs in each pair must be wired to the Controller for the LEDs to function. A single LED of either pair will not function alone.**



Section I: PRE-INSTALLATION

Please don't install anything until you first read and understand this section. In this section, you will make important decisions on the placement and configuration of your Lunasee system components.

Step 1: Review parts

Please make sure all components are accounted for in your Lunasee Kit.

Step 2: Identify surface area on rim for applying *LunaGLO* tape

Identify the area of your rim to apply the *LunaGLO* tape. The surface should be generally near the rim's edge, but no closer than 1/8 inch to prevent damage to the tape when changing the tire. The surface should be free of any obstructions (such as spokes or balancing weights) around the perimeter of your rim and should generally face the sides of the motorcycle.

Step 3: LEDpod placement considerations

Review the following LEDpod placement considerations. It is important to understand that the LEDpods must be precisely targeted and positioned to effectively charge the *LunaGLO* tape.

3.1 Targeting LEDpod

After identifying the location of the *LunaGLO* tape, you can now review the ideal placement of your LEDpods to direct the beam of light directly on the *LunaGLO* tape.

3.2 LEDpod clearance

LEDpod to *LunaGLO* tape distance: Lunasee recommends target distance between LEDpod and *LunaGLO* tape to be 0.5" (see Fig 1 below). However, a range of between 0.25" and 1.0" is acceptable provided that the LEDpods NEVER come in contact with the wheel, tire or any other component during operation. Please note that the greater the distance, the lower the brightness of the *LunaGLO* tape at full charge. This distance should be consistent on each LEDpod mounting location, and should consider clearance for tire/wheel removal if the brackets cannot be loosened and moved during wheel removal.

3.3 Accuracy and suspension travel

Location: Whenever possible, mount LEDpods on components that travel with the wheel with suspension travel so the LEDpod will remain targeted on the rim tape during suspension travel. If this is not possible, mount LEDpods at 3 o'clock and 9 o'clock positions to minimize impact of the suspension travel wheel movement on LEDpod targeting (see Fig 2 below). **Check to make sure suspension settings & travel does not cause LEDpods to come in contact with any other part or surface on your bike, and that LEDpod will be targeted for all typical suspension settings and travel.**

TIP: When mounting LEDpods that will be affected by suspension travel, measure the difference of your motorcycle being weighted with the rider/bags before mounting LEDpods. This will ensure your LEDpods will be targeted correctly under normal riding conditions with the weight of the rider. If your bike has adjustable suspension, please check to ensure LEDpod targeting is appropriate for your range of suspension settings & suspension travel.

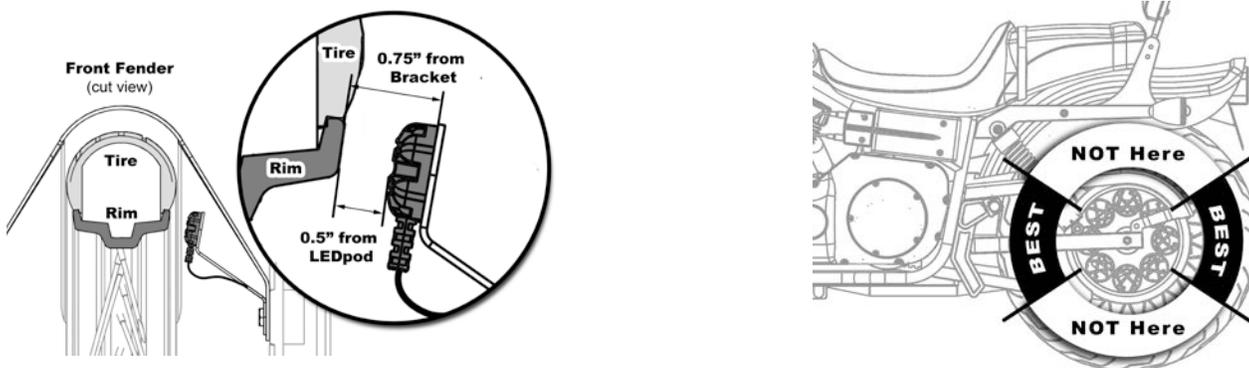


Figure 1



Step 4: Determine LEDpod mounting options

The purpose of this step is to determine which LEDpod mounting option is most appropriate for each of the 4 LEDpods that will be mounted on your specific motorcycle. Select a location that will allow you to place the LEDpod within 0.5" of the *LunaGLO* tape (or within the acceptable range in Step 3.2). Lunasee recommends mounting LEDpods with Brackets mechanically whenever possible.

For Options B, C and D, you will be required to hand fit/shape a bracket to fit your bike. You may use the provided Paper Bracket Reference Tool to determine the appropriate bends/shape for your mounting locations and distances. Actual Bracket bending will not be done until Sec IV. Please see figures below for visual references. Please note that all Bracket shapes in the illustrations are examples only. You will need to determine the appropriate mounting location, position and bracket shape for your bike.

Option (A) - Direct mount LEDpods with adhesive, optional LEDpod Spacer

If your bike has suitable 1" square inch flat surface areas to direct mount the LEDpods to a portion of the motorcycle you can do so without the use of Brackets. A LEDpod Spacer is included and can be used between the LEDpod and the mounting surface to achieve an acceptable distance between LEDpod and the *LunaGLO* tape. The surface must NOT be on a part that gets excessively hot (like exhaust).

Option (B) - Bracket mount to factory bolt

Solid factory bolt locations may be used, but these should NOT be structural or mechanical mounting bolts - ONLY cosmetic mounting bolts.

Option (C) - Hose Clamp mount with Bracket and Hose Clamp Spacer

This option may be appropriate when there are no suitable factory bolt locations, but when there are suitable fixed bars and rectangular sections where an appropriately sized hose clamp can be used to anchor the Bracket. Please note that a hose clamp is not included with the kit. Please purchase and use a suitable hose clamp for the size and shape of the tube you are attaching too. The rubber Hose Clamp Spacer is placed between your Bracket and the surface you wish to mount your Brackets.

Option (D) - Angle Mount with 3M Adhesive and Bracket

This option may be appropriate when there are no suitable factory bolt locations and there are no suitable locations for the Hose Clamp method, but there needs to be a flat surface area (at least 1" x 2") to adhere the Angle Mount using 3M Double Sided Adhesive Tape. A Bolt and Nylock Nut will ultimately be used to affix the Bracket to the Angle Mount.



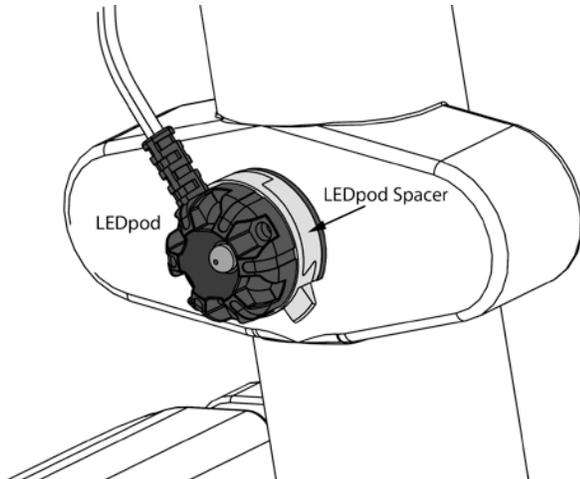
Caution!

When placing LEDpods, please ensure LEDpods and Brackets will NEVER come in contact with the wheel, tire or any other component during operation, including full suspension travel.

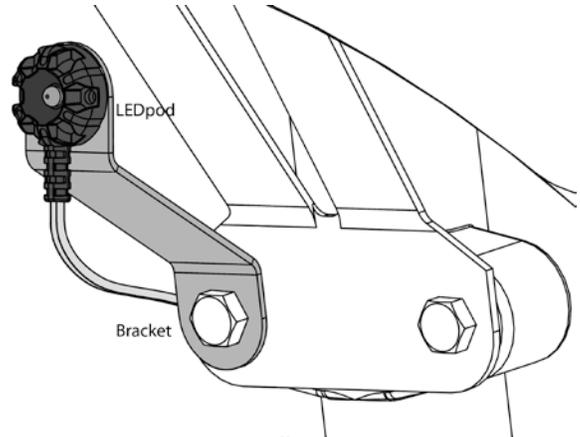
LEDpod mounting options

Please note that all Bracket shapes in the illustrations are examples only. You will need to determine the appropriate mounting location, position and bracket shape for your bike.

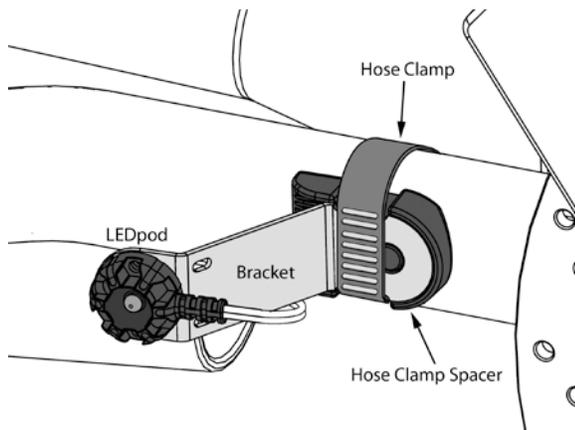
Option (A) - Direct Mount with Adhesive, optional LEDpod Spacer



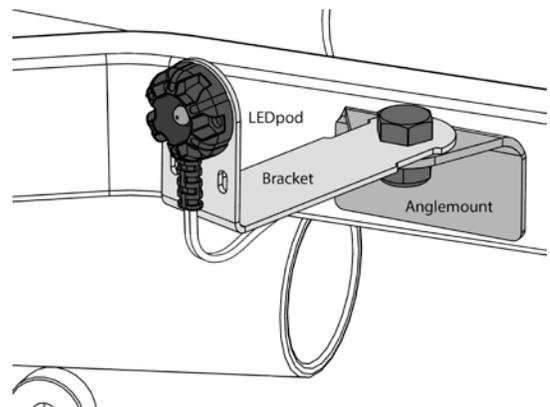
Option (B) - Bracket Mount to Factory Bolt



Option (C) - Hose Clamp with Bracket and Hose Clamp Spacer



Option (D) - Angle Mount with Adhesive and Bracket



Section II: LunaGLO TAPE APPLICATION

How to apply *LunaGLO* tape

Please review this whole section before doing any installation of *LunaGLO* tape.

Step 5: Apply *LunaGLO* tape to Rim

Apply the *LunaGLO* tape on a suitable surface on the rim - **at least 1/8" away from the edge to prevent damage when tires are removed**. Please see 3 application methods below. Acceptable application temperature range is 50°F– 100°F. For proper adhesion, the rim surface should be clean and dry. Do NOT use WD40 or other similar lubricants to clean the rim as it will prevent bonding of the adhesives. For heavily soiled rims, thoroughly clean the rim and remove all dirt, oils and build. Clean the rim surface again with alcohol wipes and dry before application. Keep excess *LunaGLO* tape for patching any damaged spots that may occur during normal use.

Please note that within the first few minutes of the application, you can rework tape in small areas to make adjustments. However, as with any pressure sensitive adhesive, please avoid significant reworking as it may diminish adhesive quality. *Note: LunaGLO tape begins to set in 15 minutes and reaches full adhesion strength within 72 hours.*

It is helpful to use a center stand, lift, jack or wheel cleaning stand so that you can rotate your wheels while applying the *LunaGLO* tape. If you do not have access to these tools, it will be helpful to have someone assist in periodically rolling your motorcycle to expose more of the wheel during application.

There are 2 methods to apply the *LunaGLO* tape to the rim. Please review these methods below and determine which method is most suitable for you and your bike. Lunasee recommends using the Applicator Tool with the Alignment Leg (5.1) for rims with a right angle profile. This will depend on the shape/profile of your rim. The tape can also be applied by hand (5.2) without the Applicator Tool.

5.1 Applying *LunaGLO* tape with Tape Applicator tool & alignment leg (see Fig 5.1)

The alignment leg may be used on many rim profiles that have a flat surface to guide the Tape Applicator Tool along the rim. See Fig 5.1. To feed the *LunaGLO* tape into the Applicator Tool see Fig 5.2. By pressing the Tool and Alignment Leg against the rim as you move the tool along the rim, the *LunaGLO* tape will apply evenly. Overlap ends by approximately 0.25" and trim excess tape.

Fig 5.1

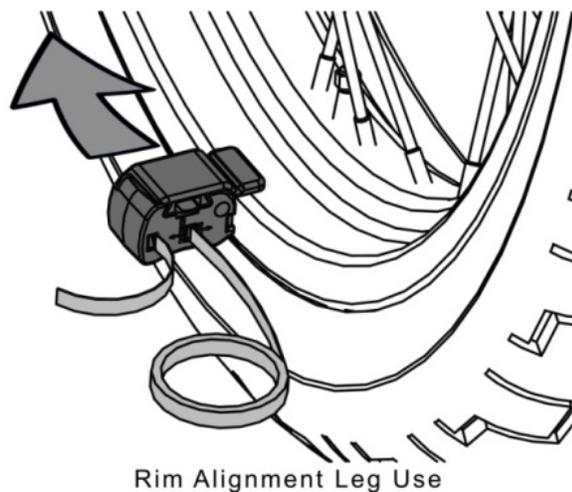
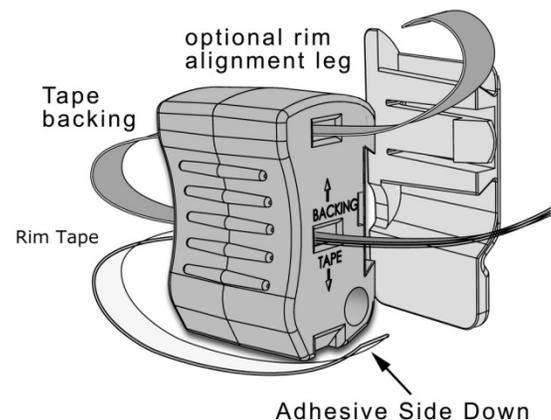


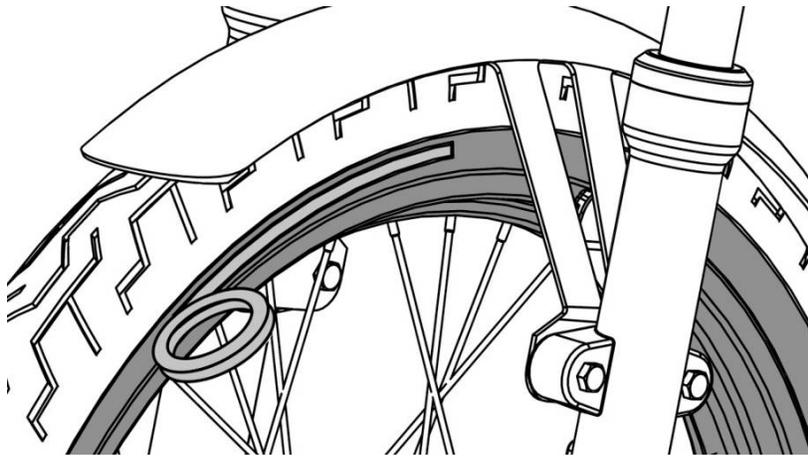
Fig 5.2 – Feeding Tape through Applicator Tool



5.2 Applying *LunaGLO* tape by Hand (Fig 5.4)

Apply *LunaGLO* tape by hand just like applying any other wheel pinstriping. We recommend applying about 1" at a time with care to ensure consistent alignment. Make small marks on the rim if necessary for alignment.

Fig 5.4



Maintenance Note: Once the rim tape is applied, we recommend using mild soap and water for future cleaning. If you intend to use any harsh cleaning agents or chemicals on your rims/wheels, use these at your own risk and we recommend testing it on a small area first to make sure it does not impact adhesive properties of the LunaGLO tape. For removal of the LunaGLO tape, use typical decal/adhesive removers as well as heat. Keep any excess LunaGLO tape in the event you need to patch any scratched or damaged areas.

Section III: PRELIMINARY WIRING

Wiring Installation

Please review this whole section before doing any installation. **Do NOT** cut wires to length during this section. This will be done in Sec V.



*PRO1000 – never connect LEDpods to power source without the Controller – it may damage LEDs.
Do not touch/press LED surface when handling/installing LEDs.*

Step 6: Disconnect battery

Disconnect your battery. Never work on the electrical system of a motorcycle while the battery is connected. If you're not sure how, check your owner's manual, or consult your dealer or consider having your dealer install the lighting system.

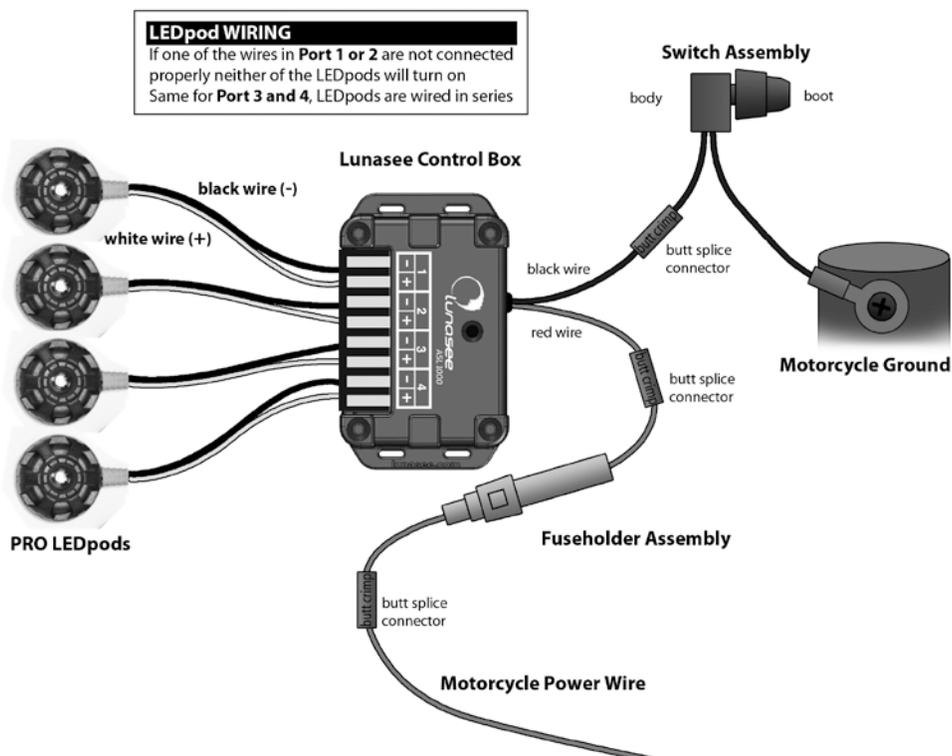
Step 7: Review mounting locations and wire routing/placement

Find locations where you would like to mount or connect the following components in this order. **1. CONTROL BOX (Pro1000 version) 2. SWITCH ASSEMBLY, 3. BLACK GROUND and RED POWER WIRE, and 4. LEDpods.** See Wiring Diagram 1 (PRO1000). The PRO Controller is water resistant, but not waterproof and should be located in a space that protects the Controller from exposure to water/moisture.

Locate where you would like to run wires, ensuring there is room for suspension travel. Turn handlebars from full lock side to side, and be sure wiring does not get pinched or pulled at any point. Check for any loose sections of wiring that may catch or snag on moving components. We recommend running wires with existing wires when possible. Avoid running wires in places that could interfere with routine maintenance procedures for your bike. Do not mount or route any of the parts/wires along AM/FM antenna or parts. This may cause radio interference.

Check to see if you have wire that is long enough to reach the appropriate component locations. You may splice additional lengths of same gauge wire (not provided) with additional Butt Splice Connectors if necessary. You may wish get power through an accessory connection. Check your bike manufacturer or dealer for accessory wire connections and connectors for your brand of motorcycle.

PRO 1000 - Wiring Diagram 1





Step 8: Mounting/Locating Controller (PRO1000)

If possible, choose a location that is tucked away, hidden and generally dry. *The Controller (PRO1000) is water resistant, but not waterproof. Excessive moisture can cause the Controller to malfunction. The warranty does not cover moisture related Controller problems.* Common locations may include underneath the seat, behind access panels, etc. Use Zip Ties, adhesive or your own mounting method to mount the Controller (PRO1000) in a location of your choice.

Step 9: Mounting switch

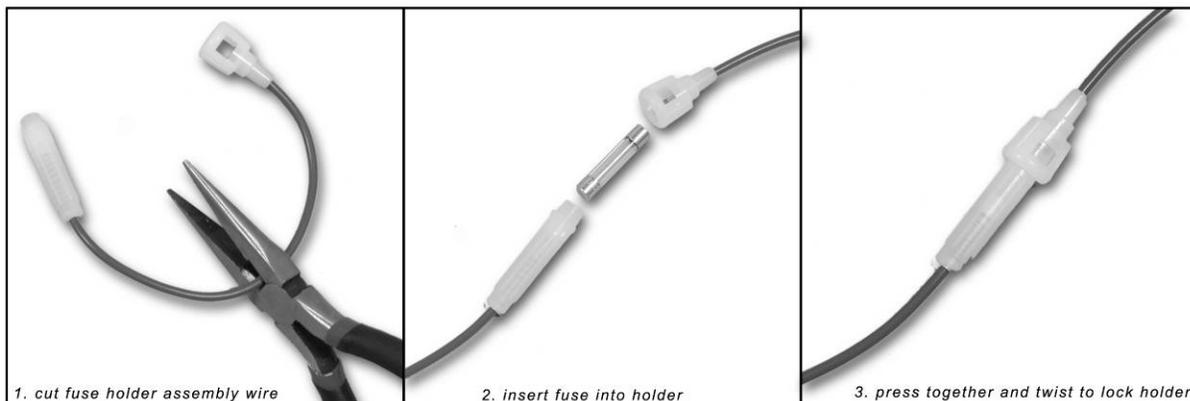
Mount the Switch in a location of your choice. Mounting locations may include battery access panels, handlebar mounts, etc. If necessary or desired, drill a $\frac{3}{8}$ " hole to mount the switch. Unscrew the rubber Switch Boot from Switch Body. Insert Switch Body through hole from behind the mounting surface and then reassemble the Switch Boot onto the Switch Body.

Step 10: Connecting switch wires to Controller (PRO1000) and GROUND

PRO 1000: Using a Butt Splice Connector, connect one end of the black switch wires to the black wire on the PRO 1000 Controller. Connect the remaining Switch wire to ground. You may choose to use the included Ground Connector Ring or a ground wire. Any solid, bare metal connection to frame will suffice. On coated surfaces, you will need to scrape away a patch of paint to ensure your ground wire makes solid contact. (Having the switch interrupt ground as described, not power, is the safest way to wire the switch.)

Step 11: Fuse assembly

Cut the red fuse holder wire 3" from one end, separating the fuse holder assembly into two halves. Strip 0.5" from each end of the red wire. Place fuse inside the plastic holder, and reassemble the fuse holder halves by twisting $\frac{1}{4}$ turn to the right. (see Fig below)



Step 12: Connecting fuse Red POWER wire to Controller (PRO1000) and to Power

PRO 1000: Using the included Butt Splice Connectors, connect the longest of the fuse holder's red wires to the red wire on the PRO Controller. **For safety reasons, the fuse holder should be within 3 inches of the connection to your power.**

Connect the remaining Fuse Holder 3" red wire to power. Depending on your motorcycle model or your preference, you may connect to an accessory power wire, or may have the option to install a plug & play adapter plug specific to your model (not included). **If you are unsure which wiring method is most appropriate for your motorcycle, please consult your dealer or bike manufacturer.** Connecting directly to the battery positive terminal is an option, but we always suggest using an accessory power wire when possible.

If you connect power to your motorcycle's accessory wire, the LUNASEE system will turn off both when the key is removed, as well as with the switch. If you connect to battery positive terminal, Lunasee must be turned off with the switch, as it will remain on even when the key is removed, continuing to drain the battery.



Caution!

Please consult your dealer if you are unsure of how to tap into the power on your bike. Splicing into other accessory power wires may impact performance of other accessories. Please do so at your own risk. Do not mount or route any of the parts/wires right next to or on top of AM/FM antenna or parts. This may cause radio interference.



Step 13: Temporarily connect & test LEDpod's before trimming LEDpod wires

Before routing and cutting the LEDpod wires, connect each of the LEDpod wires to the Controller or Cage Clamp Connectors as follows:

PRO1000: Connect LEDpod wires to Controller ports, connecting black wires to negative (-) ports and white wires to positive (+) ports. Use Port 1 and 2 for the front wheel LEDpods and Port 3 and 4 for the rear wheel LEDpods. Each (-, +) wire pair needs to connect to the same (-, +) port pair. The front and rear LEDpods are wired in series; if one of the wires in Port 1 or 2 are not connected properly, neither of the LEDpods will turn on. Check that all connections are solid.

Reconnect the battery and press switch to activate the system. Check each of the 4 LEDpods for a purple glow (DO NOT LOOK DIRECTLY AT THE BULBS – see caution below.) **Leave the LEDpod wires uncut and temporarily connected for the next step.**

Caution!

The LEDpod is a UV light LED. Because the LED during operation radiates UV light, precautions must be taken to prevent looking directly at the UV light with unaided eyes. Do NOT look directly into the UV light or look through the optical system. Never touch the LED surface when handling and installing the LEDpods.



Section IV: BENDING BRACKETS AND MOUNTING LEDPODS

LEDpod Mounting

Please refer to **Section I, Step 4** for detailed direction on the selection and placement of Bracket. Be sure you have selected the appropriate Bracket size, mounting option and location for each of the 4 LEDpods (Option A, B, C, or D). LEDpods should still be connected to the controller with wires uncut and turned OFF. Refer to Section IV Figures for visual reference for this section.

Step 14: Bending Brackets

If Brackets are required, lightly mark where each bend in the Bracket will be based on paper cut out. Follow the process below, one Bracket at a time.

You may bend your Brackets using a variety of tools or methods. A bench vise, sturdy pair of pliers or the edge of a table can help create precise bends. Hold the Bracket in your vise or pliers with an edge of the vise or plier jaws along the line you wish to bend the Bracket. Avoid repeated bending of Bracket at one location, and do not use Bracket if visible cracks can be seen at the bend or if there is any weakness in the bend. Minor bending of Brackets may be done after attachment (Step 16) to fine-tune targeting and distances.

TIP: If you wish to paint your Brackets, do this after you have bent your Brackets and have tested the targeting position. Do not paint any surfaces that you will be applying adhesive tape.

Step 15: Attaching LEDpods to appropriate mounting hardware and brackets

By this point, you should know your mounting option and have any necessary Brackets shaped accordingly for each location. Now it's time to set up each LEDpod with the right mounting hardware. Please follow the below order step by step as it applies to the mounting option. Skip the step if it does not apply to the mounting option you are working on.

ADHESIVES: When adhesives are being used, clean all surfaces with provided alcohol wipes and ensure surfaces are clean and dry.

Step 15.1: Attach LEDpods to Brackets (for Options B, C or D)

Clean the end of the Bracket where the LEDpod will be adhered. Using the 1" Round Double Sided Adhesive circles, adhere the LEDpod to Bracket. Upon completion, use a ziptie through the two oval slots in the bracket that are located very close to the LEDpod and secure the pod wire to the bracket with the ziptie. This should help relieve stress and also provide a backup security to hold LEDpod to the bracket.

Step 15.2: Attach Bracket to Angle Mount (for Option D)

Knowing your placement using the M8 Angle Mount Screw and M8 Nylock, attach Bracket to Angle Mount as shown below. Tighten securely, being sure there is no movement between the Bracket and Angle Mount.

Step 15.3: Apply adhesive tape to Angle Mount (for Option D)

Remove ONLY one side of 1" x 2" adhesive backing and adhere to the back of the surface of the Angle Mount shown below. Do NOT paint any surfaces of the Angle Mount where you will be applying adhesive tape. Do NOT mount to frame until STEP 16 and targeting is confirmed.

Step 15.4: Apply adhesive tape to LEDpod and optional LEDpod Spacer (for Option A)

Remove ONLY one side of round adhesive backing and adhere to back surface of the LEDpod. If using the LEDpod Spacer, adhere the Spacer to the LEDpod. Do NOT mount LEDpod or other half of LEDpod spacer to frame until STEP 16 and targeting is confirmed.



Step 16: Mounting LEDpods and Brackets to the Motorcycle

You should now have all 4 LEDpods and/or Brackets ready to mount to the motorcycle. As in Step 15, follow the below steps in the order that apply to the selected mounting option for each location. **We recommend turning LEDpods ON during these steps to assist with targeting of LEDpod on LunaGLO tape during mounting. NEVER look directly at the LEDpod light.**

Step 16.1: Mounting Brackets to factory bolt location (Option B)

Attach Bracket to the factory bolt locations. Solid factory bolt locations may be used, but these should only be cosmetic mounting bolts – NOT structural mounting bolts. All factory bolts should be re-tightened to factory spec, using thread-lock and locking pins to prevent loosening. Avoid mounting to plastic and loose or thin metal components. The Bracket must be secure and not have any movement or risk of contacting the wheel. Check targeting and distances. Minor bending of Bracket may be done to fine-tune targeting.

Step 16.2: Mounting Brackets to frame with Hose Clamp and Hose Clamp Spacer (Option C)

Step 16.2.1: Heat shrink on hose clamp

You may use Heat Shrink (not included) on the hose clamp to protect your motorcycle frame. Put Heat Shrink around the Hose Clamp arm. If necessary, trim heat shrink to expose enough of the gear slots to fully engage when properly tightened on your mounting location. Follow the instruction on your heat shrink packaging for shrinking. Use a heat gun or other heat source to shrink the Heat Shrink into place.

Step 16.2.2: Hose Clamp Spacer

Place the Hose Clamp Spacer against your desired mounting location (regardless if it is cylindrical or rectangular). The concave portion of the Hose Clamp Spacer should be against the mounting location. Place the Bracket (bending should be complete) onto the Hose Clamp Spacer using the raised circle as a guide. DO NOT use a hose clamp without using the Hose Clamp Spacer.

Step 16.2.3: Hose Clamp

With the Hose Clamp Spacer and Bracket in the desired location, wrap the Hose Clamp around the bar or tube you are mounting to, around the Hose Clamp Spacer, and around the Bracket. Avoid putting the tightening mechanism on the Bracket/Spacer block or sharp tubing corners. Tighten Hose Clamp screw until all components are held firmly together. Check to make sure these components are secure. Check targeting and distances. Minor bending of Bracket may be done to fine-tune targeting.

Step 16.3: Direct Mounting LEDpods and/or Angle Brackets with Adhesive Tape (Option A and D)

Step 16.3.1: Mark placement of LEDpod, LEDpod with Spacer or Angle Mount

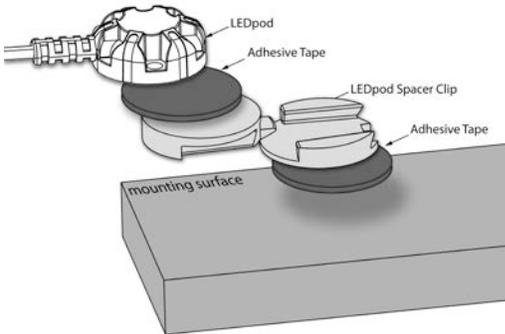
This step applies to both LEDpods that are direct mounted as well as Angle Mounts. Before removing adhesive to mount the LEDpod, LEDpod with Spacer or Angle Mount to the motorcycle, turn ON LEDpods, and mark the exact placement on the mounting surface for proper targeting of LEDpod beam on the LunaGLO tape.

Step 16.3.2: Mount LEDpod, LEDpod with Spacer or Angle Mount to Motorcycle

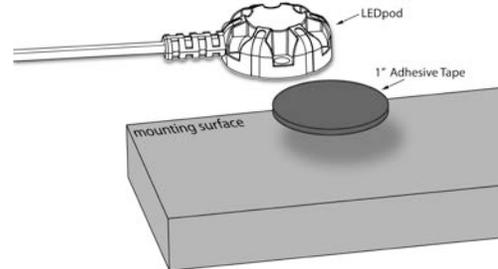
Remove the remaining adhesive backing on the LEDpod, LEDpod Spacer or Angle Mount and firmly press the component against the identified clean and flat mounting surface as marked in Step 16.3.1. **IT IS IMPORTANT TO GET THIS MOUNTING LOCATION CORRECT AS THIS ADHESIVE WILL BOND IMMEDIATELY UPON CONTACT and you will NOT be able to rework the location.**

SECTION IV FIGURES

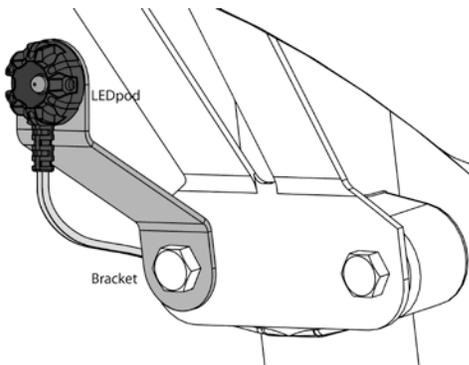
Option (A) LEDpod Direct Mount with Adhesive with Spacer



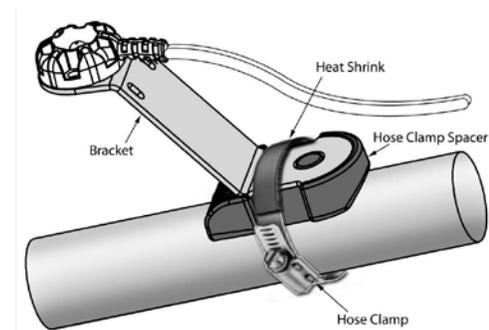
Option (A) LEDpod Direct Mount with Adhesive (No Spacer)



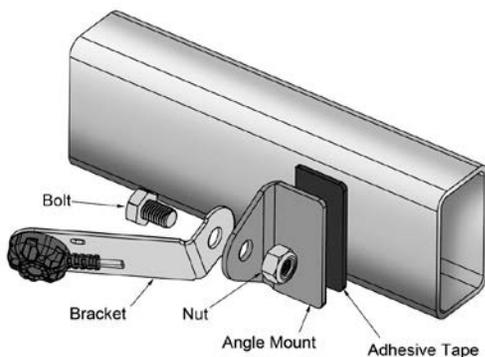
Option (B) LEDpod with Bracket to Factory Bolt Location



Option (C) LEDpod with Bracket and Hose Clamp & Hose Clamp Spacer



Option (D) LEDpod with Bracket and Angle Mount



Maintenance Note: Please be careful not to disturb Brackets if either wheel is removed for maintenance. It may be necessary to move one or both LEDpods prior to removing the wheel to provide necessary clearance depending on your bike and configuration. This may require loosening bolts and rotating LEDpods/Brackets to provide additional clearance. If Angle Mount is used, please sure to hold the Angle Mount securely when tightening or loosening the bolts to avoid disturbing the adhesive bond. Always inspect all LUNASEE components periodically, and always after motorcycle service, to ensure all components are properly attached and secured. We recommend you advise your service technician about the LUNASEE components prior to service.



Section V: FINAL ROUTING/FINISHING OF LEDPOD WIRES AND SYSTEM TEST

Step 17: Routing LEDpod Wires and cutting to desired length



Caution!

Do not route any wires next to or on top of AM/FM antenna wires. This may cause radio interference. Avoid potentially hot locations such as exhaust pipes and engine cylinders.

Starting at the mounted LEDpod, run wire from each LEDpod to the Controller (not vice versa), being sure to leave enough slack to allow full movement of the motorcycle suspension. Whenever possible, run Lunasee wiring along other wiring harnesses or cables, fastening with Zip Ties along the way. Lunasee recommends using the provided Zip Ties to secure the wiring to avoid having long sections of unsecured wires. Do not route any of the LEDpod wires right next to or on top of AM/FM antenna wires. This may cause radio interference. Using Zip Ties, fasten loose wires to motorcycle frame or body components. Avoid potentially hot locations as exhaust pipes and engine cylinders. While running wires, check wiring to be sure there is room for suspension travel. Turn handlebars from full lock side to side, and be sure wiring does not get pinched or pulled at any point. Check for any loose loops in the wiring that may catch or snag on moving components.

Cut LEDpod wires as appropriate and strip 0.25" from each of the loose ends. Re-connect each of the LEDpod wires to their corresponding ports in the Controller (PRO1000). Refer to Step 13 and Wiring Diagrams in Section III. For best weather resistance, apply dielectric grease to the wire ends at point of connection. Once connected, relieve strain on the connection by using Zip Ties to secure LEDpod wires approximately 2" from the connections to the Controller. *PRO1000: Never wire LEDpods directly to battery without connecting to the Controller.*

Step 18: Full system test

Check to see that all LEDs are coming on and LEDpods are all targeted on the *LunaGLO* tape. Upon wheel rotation, the *LunaGLO* tape will quickly charge and increase in brightness, and maintain constant level of brightness as long as the motorcycle wheel is rotating. If necessary, you may fine-tune bracket bends to ensure LEDpods are appropriately targeted at the *LunaGLO* tape, and that the distance between LEDpod and *LunaGLO* tape is within the acceptable range, and does not come into contact with any components during suspension travel.

Congratulations on having one of the most visible motorcycles around! Ride safe!

QUESTIONS?

Check out our Support Page at www.lunasee.com/support

or

Contact Tech Support at

Phone: 252-353-4354, Option 2

Email: techsupport@lunasee.com

*Contact Tech Support to receive current **Troubleshooting Guides** if you encounter any problems with your system.*