

# Prroma Installation & Owners Manual

## A-5130 Wall Mounted Light A-5140 Cabinet Mounted Light

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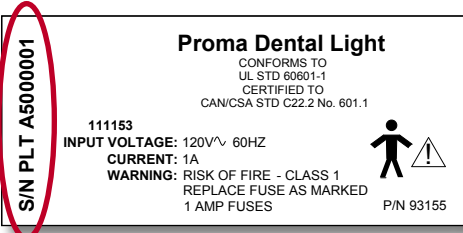
### Serial Numbers

Please locate and write down the Serial Numbers on the A-5120 Dental Light and Transformer. Having this information available will aid in the identification of your dental light and transformer.

Dental Light Serial Number \_\_\_\_\_

Transformer Serial Number \_\_\_\_\_

The Prroma label is located in two locations on the dental light system. The dental light serial number is located on the light arm and the Transformer serial number is located on top of the transformer housing



The serial number is located along the left edge of the label

### Bulb Replacement

**Note:** A replacement bulb is included. Please locate it and store in a convenient place. Order replacement Light Bulb Prroma #93146



#### WARNING!

Turn the light off and allow cooling before removing the shield. Failure to do so can cause injury by burning. Always handle bulbs with tissue paper, do not allow skin to contact the bulb, as it will shorten the life.

Remove the shield by gently squeezing the ends and pull it toward you

Remove the bulb by wrapping in tissue and gently pulling forward

The replacement bulb should be pushed in gently. The lamp pins must be securely in the lamp socket

Replace the shield by squeezing the sides and gently pushing it into the housing. You will hear a "Click" when the shield seats properly.



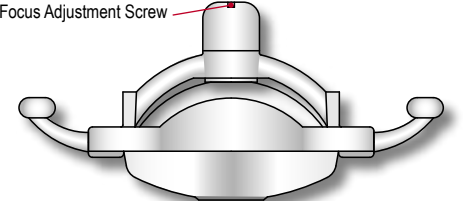
#### WARNING!

Failure to properly seat the shield could allow it to fall off and cause injury

Turn on the light and check the focus by shinning the light on a surface 27" away. The light pattern should be even with defined edges over an area of 4" x 6 1/2". If necessary, rotate the focus adjustment.

## Prroma

730 E. Kingshill Place • Carson, CA 90746  
Phone 310.327.0035 • Fax 310.327.4601



## ■ Specifications

### Electrical Input:

Voltage	120 V~
Phase	1
Frequency	60 Hz
Power	150 W

### Electrical Output:

Voltage	13-19 V~
Current	3.4-5 Amps

## ■ Classifications

Classification of Equipment	Class I
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Degree of Protection against harmful ingress of water	Ordinary
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Mode of Operation	Intermittent
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## ■ Installation Overview

### 1. Check Product Contents

Immediately upon receipt, open the box, examine for damage and compare contents to the packing slip. If not as ordered, please notify your dealer. If hidden shipping damage is identified, immediately contact the shipping service. Contact Proma to arrange for replacement goods.

### 2. Read all Cautions/Warnings on Labels and in this Manual

Check the product for all caution and warning labels and read them. Review this manual for all cautions and warnings prior to installation.

### 3. Check Installation Site and Access

Before installation, check room dimensions, locate required tools and establish clear access to the site. **SHUT OFF ELECTRICAL POWER** to the appropriate outlet.

## ■ Operating Conditions

Ambient Temperature	+10 C to +40 C
Humidity	30% to 75%
Atmospheric Pressure Range	700 hPa to 1060 hPa

## ■ Technical Support

For Technical support and repair assistance, contact your local Proma dealer

## ■ Storage & Shipping

Ambient Temperature	- 40 C to +70 C
Humidity	10 to 95 RH (Non-condensing)
Atmospheric Pressure Range	7 to 15 psi (50 to 106 Kpa)

## ■ Recommended Service Tools

- Allen Wrench Set
- Bubble Level
- Tape Measure
- Phillips Screw Drivers

## ■ Electrical Connections and Supply

**Note:** a licensed electrician must perform all wiring. Due to varying city electrical codes, the dealer should ensure installation will meet local requirements. Proma cannot be responsible for an installation that does not meet local electrical codes. Installer must meet the following additional requirements:

115 Volts AC (*minimum*) electrical power

Use wiring with insulation rated for 90° C minimum. Ensure all wiring is properly grounded. Protect circuit with circuit breaker



### CAUTION

Possible fire hazard when used with oxygen administering equipment other than the nasal mask or 1/2 length bed tent type. Oxygen tent should not extend below mattress support level.

To ensure proper grounding, plug unit into "Hospital Only" or "Hospital Grade" outlet.

Transformer Cover to be removed by Qualified Service Personnel Only



### DANGER!

Risk of explosion if used in the presence of flammable anesthetics!  
Risk of Fire. Replace fuse as marked

Compliance with Local Building Codes is the Responsibility of the Dealer and the Contractor

## Wall Mount Installation Notes

1. The wall plate is supplied with transformer and fuses. It requires a main electrical supply behind the wall plate siting.
2. All connections are factory made to the wall plate circuit leaving a suitable low voltage lead with a Molex adapter for connection to arm assembly and a terminal block for the main electrical supply.
3. Follow recommended dimensions of *Figure 1* to determine the position for the wall plate.
4. Remove cover from transformer to pass the main cable through 1/2" diameter hole before mounting wall plate.
5. Pass the mains supply cable through the hole on the wall plate.
6. Secure plate to wall (taking builder's advice) using four lag screws provided and ensure it is level by using a bubble level.
7. Connect main supply wires to the terminal block. Ground green wire from main cable to green grounded wire on wall plate.
8. Insert the light bushing into the support on the wall plate. Lubricate bushing using a light film of white grease.
9. Mount the light arm into this bushing.
10. Connect white plug from light arm to white plug on transformer.
11. Assemble transformer cover back.



### Hazard

Check wall structure and assure that it will support a minimum of 200 pounds. Failure to fasten wall mount securely to a structurally sound and appropriately designed structure could result in a hazard of potential injury to patient or users caused by the light falling.

**Note:** It is the responsibility of a licensed building construction engineer to verify that each site is safe to mount such device.

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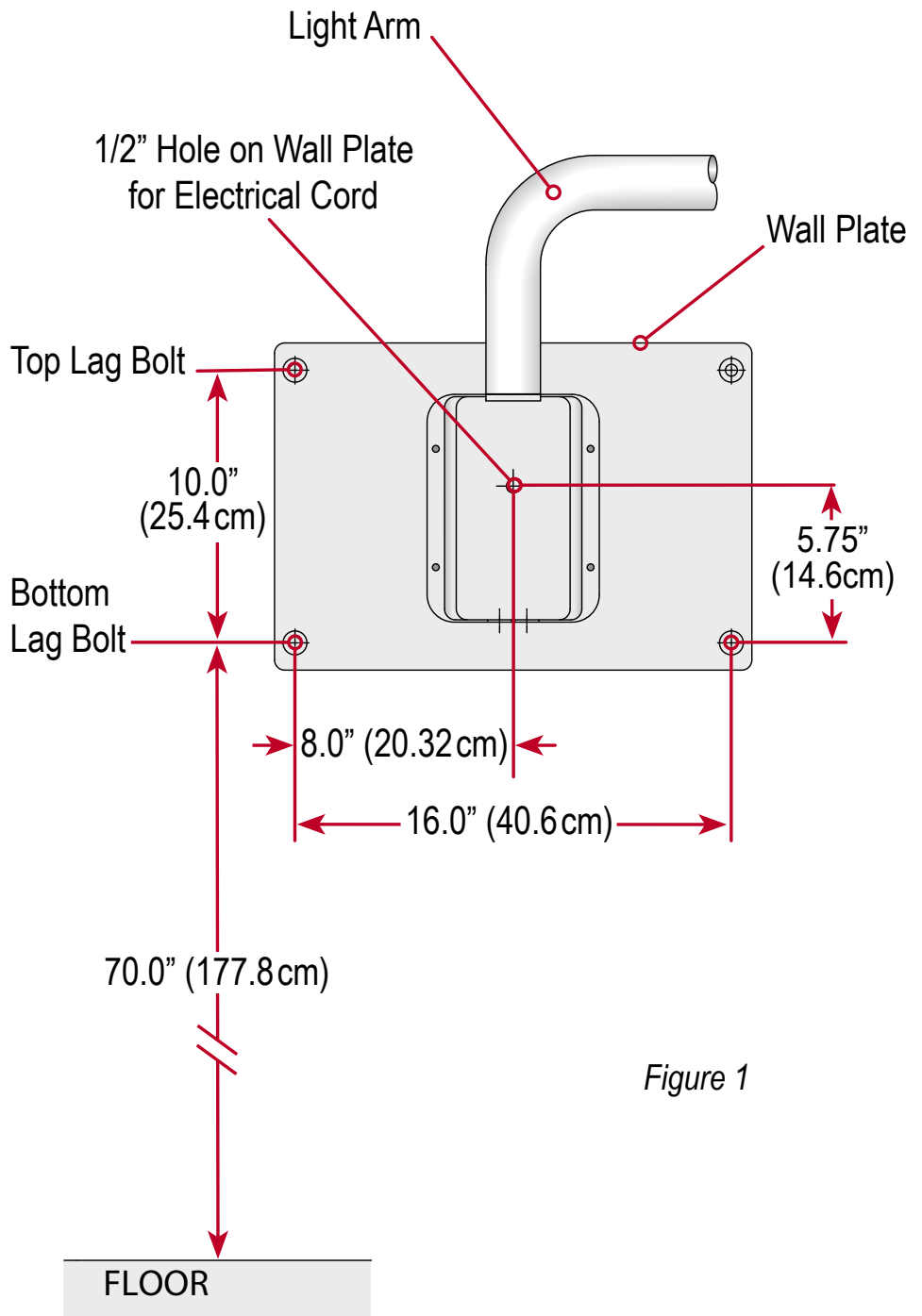


Figure 1

# Cabinet Mount Installation Notes

## Cabinet Without Threaded Inserts

If cabinet wall does not have threaded inserts, order Prima kit #9126300.

1. Follow recommended dimensions of *Figure 1* to determine the position of the interior support plate.
2. Install the interior support plate in the proper position inside of cabinet extrusion by hanging it with a string and two 1/8" diameter holes located at top of plate. See *Figure 2*.
3. Install support post weldment in the proper position and fasten it to the interior support plate using four (4) 3/8-24 x 1" cap head screws and washers. See *Figure 2*.

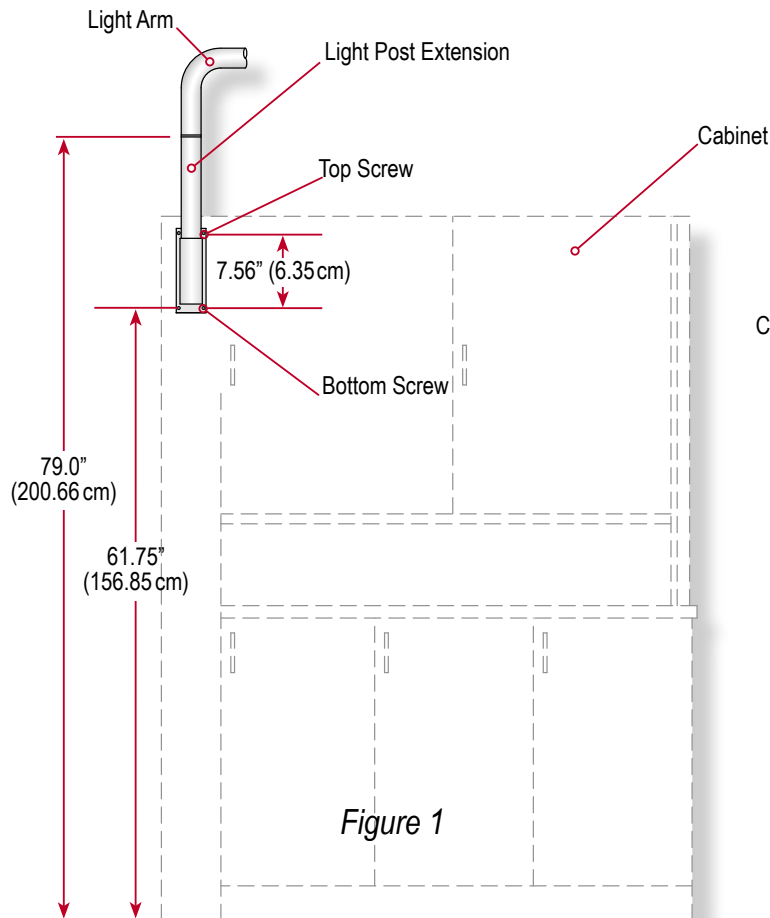


Figure 1

## Cabinet With Threaded Inserts

4. Install support post weldment in the proper position and fasten it to the cabinet using four (4) 5/16-18 x 1" cap head screws and washers. See *Figure 2*.

## For Both Types of Cabinets

5. Install the light post extension by tightening the 10-32 x 1/4" set screws. See *Figure 2*.
6. Insert the light bushing into the post. Lubricate bushing using a light film of white grease.
7. Mount light arm into this bushing.

8. Position the transformer box inside the cabinet.
9. Plug the low voltage cable from the light into the receptacle in the transformer box.
10. Plug the hospital grade plug from the transformer into a 120 VAC hospital grade outlet.

## Test Light

Turn the light switch located immediately behind the light head. This is a three position switch. Center is Off, Left is the normal operating intensity and Right is maximum intensity for color matching.

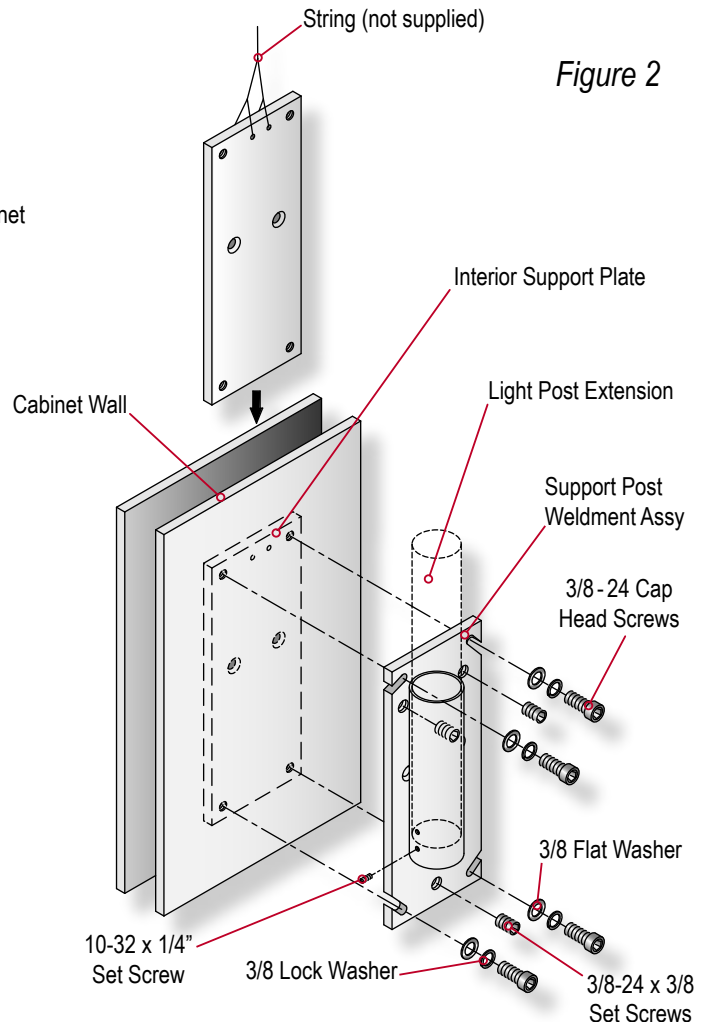


Figure 2

## ■ Cleaning Instructions

### Use Disposable Plastic Films and Foils

Proma encourages the use of disposable films and foils on the handles and surfaces commonly touched with gloved hands. This can reduce the need for chemical surface disinfection and extend life span and appearance of these surfaces.

### Do Not Soak Plastic Parts

The useful life of many plastics may be greatly shortened by soaking in disinfectant solution for extended periods of time.

### Cleaning Your Proma Light

Clean and disinfect the unit at beginning and end of each workday. The outside surfaces may be cleaned with a moist (*not dripping*) soft towel soaked in any mild soap and water solution. Wipe and dry with a soft towel. Do not use abrasive cleaners or rough paper towels which may scratch the molded surfaces. After cleaning, wipe surfaces with gauze sponge moistened (*not dripping*) in disinfectant.

Proma approves the use of mild soap and water solution, applied with a soft cloth.



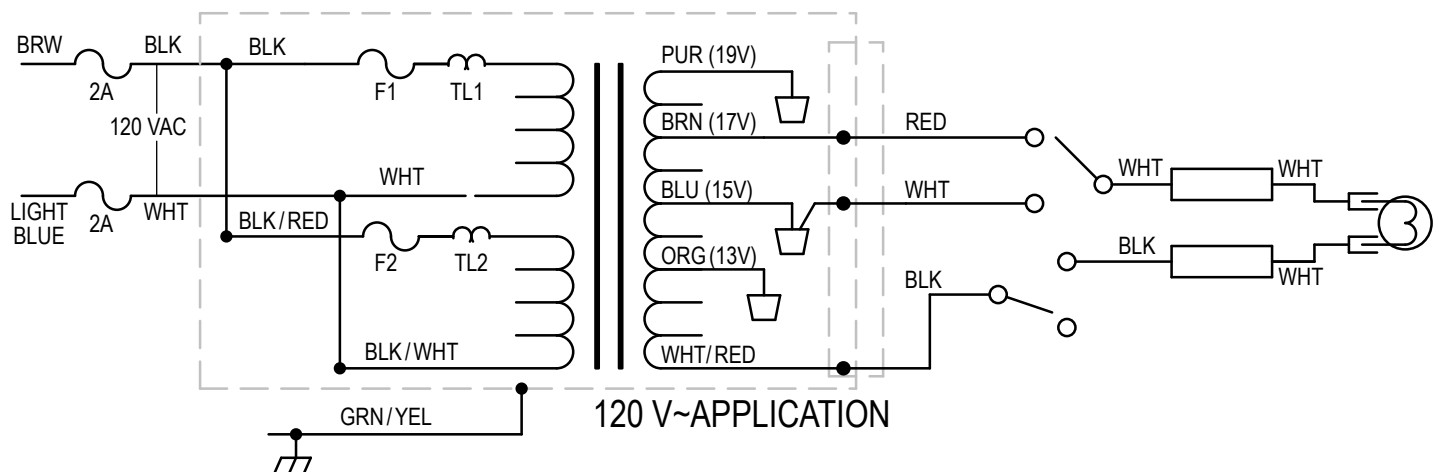
Proma recommends **Birex**<sup>®SE</sup> manufactured by Biotrol International

## ■ Warranty

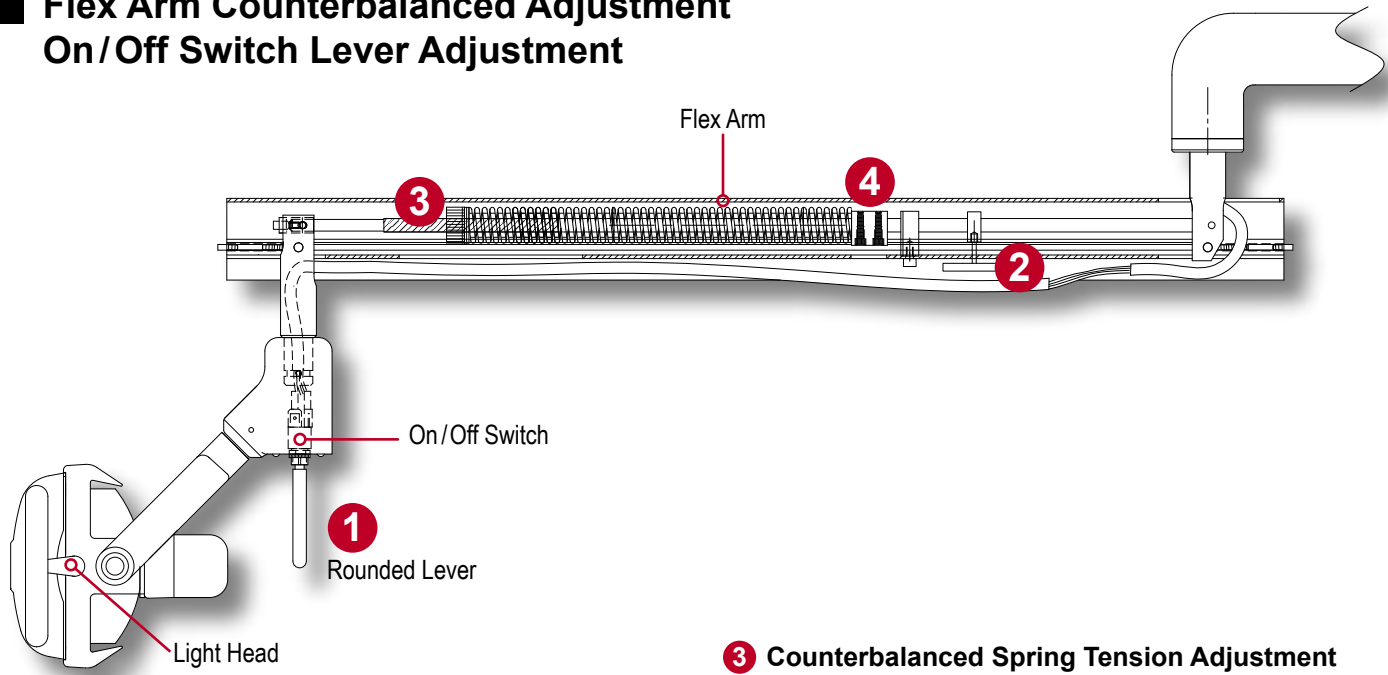
**Proma** warrants its products against defects in materials and/or workmanship for five years from the date of shipment from the factory. No other warranties are expressed or implied. No employee, representative or dealer is authorized to change this warranty in any way, or grant any other warranty dealing with this product. **Proma's** sole obligation under this warranty is limited to repair, replace, or modify the defective part or product if, in its judgment, this is advisable. Labor and other costs for removal and reinstallation are not included in this warranty. The buyer shall have no other remedy. (All special, incidental, and consequential damages are excluded.) Written notice of breach of warranty must be given to **Proma** within the warranty period. The warranty does not cover damages resulting from improper installation or maintenance, accident or misuse. Warranty is void if product is not installed by an authorized **Proma** dealer. **NO OTHER WARRANTIES AS TO MERCHANTABILITY, FITNESS FOR USE OR OTHERWISE ARE MADE.** This warranty gives specific legal right, and there may also be other rights which vary from state to state. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply.)

**Proma** will provide service advice and instructions as required for repair or replacement of this product. Call 1.310.327.0035 for service.

## ■ Wiring Diagram



## Flex Arm Counterbalanced Adjustment On/Off Switch Lever Adjustment



### 1 On/Off Switch Lever Installation

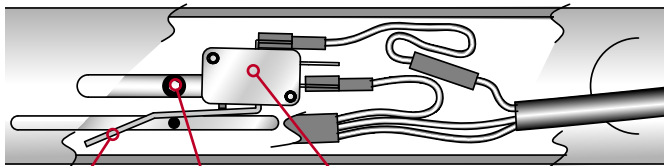
Remove the white-rounded lever from the plastic bag that contains the spare fuses and spare bulb. Install the lever onto the On/Off switch by pressing it over the teardrop shape toggle until it bottoms-out. The lever is designed to fit onto the toggle with a minimum amount of force.



#### WARNING

Be careful not to over press the lever as you may damage the switch.

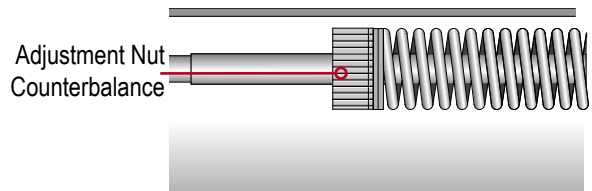
### 2 Auto On/Off Microswitch Adjustment



Lever-Limit Switch  
Adjust Screw  
Limit Switch

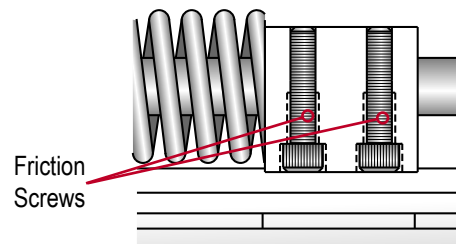
Remove plastic bottom cover by pulling down on the head end of arm. Use a 3/32" Allen wrench to loosen the set screw (marked "Adjust screw"). Move the screw towards the light head to lower the position that the light turns Off/On. Move the screw the opposite direction to raise the On/Off position.

### 3 Counterbalanced Spring Tension Adjustment



If light head drifts or springs back up, the spring tension needs to be counterbalanced. To get access to the tension nut and adjust the spring, remove the plastic bottom cover by pulling down on the head end of arm. Pass a flat head screwdriver through the slot on the inside of the extrusion. Rotate counterclockwise the splined nut for a stiffer spring and clockwise for a looser spring.

### 4 Friction Adjustment



Remove plastic bottom cover by pulling down on the head end of the arm. Use a 9/64" Allen wrench to tighten or loosen the two friction screws. If arm is drifting, tighten screws. If arm movement is too stiff, loosen the screws. Always turn both screws the same amount.

**Note:** The bottom cover snaps back into place without the use of any tools.