

## Installation Instructions

### INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS.

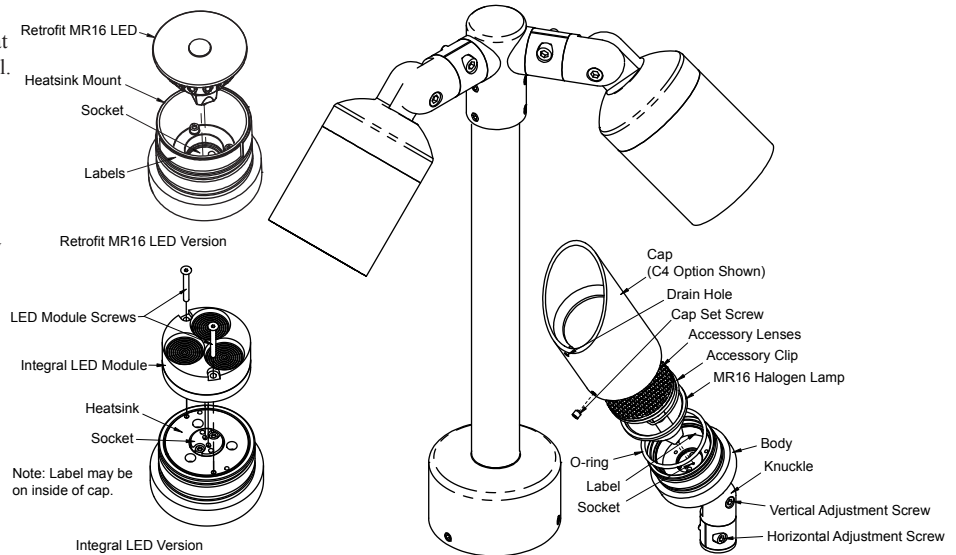
#### IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

(Failure to follow the warnings and instructions on this sheet could result in fire, injury, failure of product, and/or voiding of warranty.)

1. Do not touch while lamp is on. Turn off/unplug and allow to cool before replacing lamp.
2. Lamp gets HOT quickly! Contact only switch/plug when turning on.
3. Do not touch hot lens, body, stem, cap or shade.
4. Keep lamp away from materials that may burn.
5. Do not touch lamp at any time. Use a soft cloth. Oil from your skin may damage lamp.
6. Do not operate with damaged or missing parts.
7. Do not disassemble beyond top removal to facilitate lamp and/or accessory installation or replacement.
8. Remove any debris accumulated in the cap periodically.
9. Do not install within 10 feet of a pool, spa, or fountain.
10. Have installed in accordance with all applicable installation codes and standards by a person familiar with the construction, operation, and hazards involved.
11. Consult a qualified electrician to ensure correct branch circuit conductor.
12. Use only cable rated for low voltage. Cable buried more than 6" must be suitable for direct burial. Direct burial cable may be ordered from Vision3 Lighting.

#### Notes:

- This fixture should not be mounted in such a way that it is buried or in direct contact with the ground or soil.
- This fixture requires a remote transformer or mount option with integral transformer.
- LED models should only be powered and controlled by compatible transformers and control systems. Contact Vision3 Lighting for approved transformer / controls list. Using non-approved transformers / controls could cause the LED to not operate properly or fail.
- Integral LED options can require up to 13W (10W options) or 15W (12.5W options) during startup, under some circumstances. This must be allowed for when designing system.
- Integral LED options come with a High/Low switch. See 'LED Switching' instructions on next page. Switch will be set to 'High' setting at the factory, unless otherwise specified when ordered.
- Use only Vision3 approved Retrofit MR16 LED options and supplied Heatsink Mount, otherwise LED may overheat and fail.
- LED ratings subject to change without notice. See website or contact V3 for most current info.



stops built in to the knuckle. Note: Rotate heads fully in opposite direction if a stop is hit before reaching the desired position.

7. Tighten the adjustment screws using the 5/32" hex tool until the knuckles are locked and the heads no longer move. Do not over tighten! Tapered knuckle locks require very little tightening to ensure heads are locked in position.

**Caution!** Fixture will be hot if lamp is on. Remove power and allow fixture to cool before performing any adjustments or maintenance.

#### Installation:

1. Unpack the PA16 Staff Light from its shipping container.
2. Check that there are no damaged or missing components. Contact Vision3 immediately if there are any damaged or missing components.
3. The PA16 Staff Light can be ordered with a wide selection of mount options. See mount option installation instructions for further installation procedures. **Note:** If fixture is installed improperly, or in loose soil, it is possible for it to topple over under its own weight (depending on mount option and stem length). To prevent this, concrete anchoring of some kind is recommended in all installations.

#### Fixture Head Aiming:

1. Loosen the Vertical Adjustment Screws using a 5/32" hex tool – do not remove screws!
2. Grab fixture Bodies and push/pull to break grip of tapered knuckle lock. Be careful not to exert force on the stem.
3. Slightly tighten Vertical Adjustment Screws, using the 5/32" hex tool, so that heads hold position when released, but still move when adjusted.
4. Slightly loosen the Horizontal Adjustment Screws using the 5/32" hex tool - do not remove screws!
5. Slightly tighten the Horizontal Adjustment Screws so that the heads can be rotated, but still hold position.
6. Adjust the heads to the desired angle. Do not force them past the natural

#### Lamp/LED Module Maintenance:

1. Remove power from fixture and let cool before touching. **Caution! Fixture may still be hot!**
2. Loosen the Cap Set Screw using a 3/32" hex tool – **do not remove screw!**
3. Remove the Cap. Holding the Body and twisting the Cap while removing reduces the risk of damaging the O-ring.
4. Inspect O-ring for damage. Replace if necessary.
5. Replace lamp/LED.

#### For MR16 Halogen Lamp:

- a. Pull lamp straight out. **Caution! Lamp may still be hot! Be sure lamp has cooled before touching.**
- b. Inspect socket for any damage.
- c. Clean inside of fixture and Cap with a clean dry cloth.
- d. Push new lamp straight in, being careful to align pins. **Note:** Replacement lamp must not exceed ratings on Label.

#### For Integral LED Module:

- a. Loosen and remove the LED Module Screws.
- b. Pull LED straight out. Do not twist or the pins will break off in the socket. **Caution! LED may still be hot! Be sure LED has cooled before touching.**

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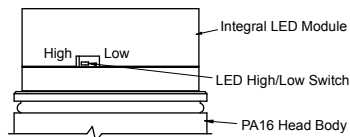
- c. Clean the grease off of the Heatsink top surface using a rag dipped in alcohol.
- d. Inspect the socket for any damage.
- e. If the replacement LED Module does not come with a thermal transfer pad on the base, apply a thin layer of thermal grease (not supplied) to the surface of the Heatsink that will contact the bottom of the LED Module.
- f. Align the pins on the LED Module with the socket and push straight in. Do not twist or push in at an angle or the pins may be damaged.
- g. Install and tighten the LED Module Screws. **Caution!** Over tightening of screws could crack the LED Module case.

#### For Retrofit MR16 LED Lamp:

- a. Pull lamp straight out. **Caution! Lamp may still be hot! Be sure lamp has cooled before touching.**
  - b. Inspect socket for any damage.
  - c. Clean inside of fixture and Cap with a clean dry cloth.
  - d. Push new lamp straight in, being careful to align pins. Make sure Retrofit MR16 Lamp fully contacts Heatsink Mount, otherwise lamp may overheat and fail prematurely. **Note:** Replacement lamp must not exceed ratings on Label. Only use Vision3 approved Retrofit MR16 Lamp and supplied Heatsink Mount, otherwise LED may overheat and fail.
6. Install Cap on fixture by pushing and twisting slowly. If O-ring is excessively dry, use a small amount of Krytox lubricant.
  7. Tighten Cap Set Screw with the 3/32" hex tool so that it is just bottoms out. **Do not over tighten the Cap Set Screw!** This may cause the fixture to leak.

#### LED Switching (on certain models):

1. Remove cap as explained in Lamp Maintenance steps 1 thru 4.
2. Inspect for damage. Replace any damaged parts, if necessary.
3. Clean inside of fixture and Cap with a clean, damp cotton cloth.
4. Find LED High/Low Switch on side of Integral LED Module.
5. Using a pin, small nail, etc, flip the switch in the desired direction. See the LED Module Switch sketch for which direction corresponds to which setting.
6. Install cap as explained in Lamp Maintenance steps 6 & 7.



#### Accessory Maintenance:

1. Remove cap as explained in Lamp Maintenance steps 1 thru 4.
2. Remove Accessory Clip from Cap.
3. Carefully remove Accessories from Cap, if any.
4. Inspect Cap, Accessories, and Clip for damage. Replace if necessary.
5. Clean Cap and Accessories with a clean, damp cotton cloth.
6. Carefully install new Accessories into Cap (Cap may hold up to 3 Accessories).
7. Compress Clip and push into Cap until it holds Accessories tightly in Cap.
8. Install cap as explained in Lamp Maintenance steps 6 & 7.
9. Repeat for other head.