

**FERN LITE, NPS SPOT, SPIKE SPOT, SPIKE SPOT  
ADJUSTABLE & TWIN BAR LITE LUMINAIRES**

**INSTALLATION INSTRUCTIONS**



**NOTE:** THESE INSTRUCTIONS MUST NOT CONTRAVENE YOUR LOCAL ELECTRICAL AUTHORITY REGULATIONS, WITH WHICH ALL INSTALLATIONS HERE IN MUST COMPLY. PLEASE KEEP INSTRUCTIONS FOR FUTURE REFERENCE.

The secondary wiring supplied with this light fixture is intended for shallow burial - less than 6" (152mm). Do not install this light fixture within 10 feet (3 mtr.) of a pool, spa or fountain.

These luminaires are simple and easy to install as they have spikes on the bottom which can be pushed into the ground where ever you desire light. Place the Fern Lite, Spike Spot, Spike Spot Adjustable or Twin Bar Lite Luminaires on the ground where you wish to install it and then run the low voltage cable from the transformer to the Fern Lite(s), Spike Spot(s) or Twin Bar Lite(s). All cable connections must be made using heavy walled adhesive lined heat shrink to prevent water leaking into the cable joint. Once this is completed push the Fern Lite(s), Spike Spot(s) or Twin Bar Lite(s) into the ground in the desired position.

**Recommendation:**

Run all low voltage cables in flexible conduit for extra protection.

It is recommended that high quality lamps are used when replacing lamps. Do not over tighten lens ring as this will make removal difficult and may cause lamp to break.

Leave extra cable to allow the luminaire to be moved as foliage grows in size.

**Warning** - Take care to place luminaire in a suitably safe position, due to operating temperature of luminaire.

**Stainless Steel Maintenance:** To maintain the finish of 316 stainless steel it is recommended to wash the luminaire with water from time to time to stop salt and corrosive elements building up. If tea staining appears, a commercially available stainless steel cleaner is recommended to remove this staining.

**LAMP CHANGING**

**CAUTION:**

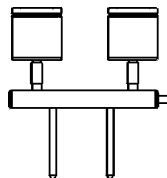
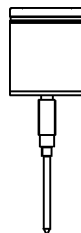
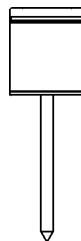
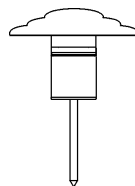
Make sure that the power to the luminaire is switched off before attempting to change the lamp.

Beware of hot luminaire and lamp. Make absolutely sure when changing lamps that the correct wattage lamp is installed. Incorrect wattage lamps or halogen capsules may cause the transformer to overload causing the transformer to heat up and turn the luminaires off.

**HALOGEN CAPSULE CHANGING (FERN LITE)**

**DO NOT** touch halogen capsule with bare fingers, leave plastic bag over the capsule & push into the lamp holder. Then remove plastic bag before switching fitting on.

Maximum wattage 20 watt G4 Halogen Capsule.



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**LAMP CHANGING SEQUENCE (MR16)**

Only use open faced lamps, not glass covered lamps, as glass covered lamps may cause the luminaire to leak. Unscrew lens ring, remove gasket and lens. Pull lamp forward until the ceramic lamp holder appears. Hold lamp holder in one hand and remove lamp with other hand very carefully. Do not touch the glass capsule in the middle of the reflector when pushing the lamp back into the ceramic lamp holder. When replacing gasket and lens, make sure there is no dirt or grit on the gasket. Dirt or grit on the gasket may cause luminaire to leak.

**GASKET AND LENS SEQUENCE**

Place lens on top of lamp and put orange gasket on top of lens. Screw on lens ring or flange.

**GLARE GUARD INSTALLATION**

Carefully remove lens ring making sure not to drop the glass lens and cause damage to it, keeping gasket in place. Hold body of luminaire tightly and screw Glare Guard ring onto light luminaire. Still holding body of luminaire tightly rotate glare guard to desired position.

When Glare Guard is fitted, lamp wattage can be increased to 35 watt.

**HEX CELL LOUVRE ADAPTOR INSTALLATION:** Carefully remove the lens ring, making sure not to drop the glass lens and cause damage to it. Keep the orange gasket in place. Hold the body of the luminaire tightly and screw the "Hex Cell Adaptor" ring onto the luminaire. Place the Hex Cell into position and place the lens on top. Then put the orange gasket on top of the lens and screw the lens ring on.

**INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS  
IMPORTANT SAFETY INSTRUCTIONS**  
Lighted lamp is HOT!

**WARNING** - To reduce the risk of FIRE OR INJURY TO PERSONS:

Turn off / unplug and allow to cool before replacing lamp.

Lamp gets HOT quickly! Contact only switch/plug when turning on.

DO NOT touch hot lens, guard or enclosure.

Keep lamp away from materials that may burn.

DO NOT touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.

DO NOT operate the luminaire fitting with a missing or damaged lens.

**LAMP DISPOSAL**

Metal Halide and Fluorescent lamps contain small amounts of Mercury which can be harmful to the environment if the lamp is broken. Please contact your local authorities for information on the disposal of Metal Halide and Fluorescent lamps to ensure they are disposed of correctly.

