

## CARE AND MAINTENANCE

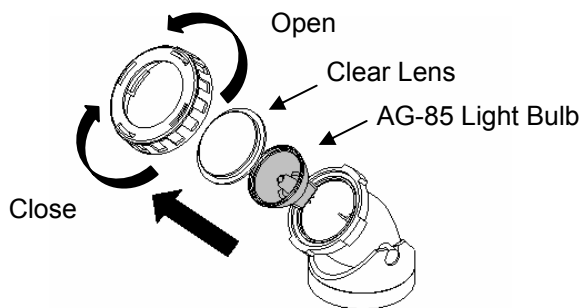
- Periodically, your lights may require cleaning for optimal performance.
- Cleaning should only be done with warm soapy water. Be sure to use biodegradable soap.
- The frequency of cleaning depends upon the conditions of the environment where lights are used.
- These lights are designed to operate at temperatures between 20°F and 110°F.

## REPLACING THE LENS OR BULB

Replacement for the high intensity halogen bulb AG-85 type MR11 bulb/reflector.

### The bulb is not under warranty

- 1 Unplug the transformer
- 2 Remove the light's cable from the transformer and allow the light to cool before replacing bulb.
- 3 Remove the lens retainer by pushing the retainer down and turning counter-clockwise.
- 4 Remove the lens and unplug the bulb/reflector from the socket.
- 5 Press the new bulb into the socket and place back into the light housing. Do not touch the lamp at any time as oil from skin may damage lamp. Use a soft cloth.
- 6 Re-install the lens and lens retainer ensuring that the o-ring remains seated in the o-ring groove. Do not operate the light fixture with a missing or damaged lens.



To change the color of the light replace clear lens with one of the AG-84 colored lenses.

## REPLACEMENT PARTS LIST



Part	No.	Description
A	AG-81	Submersible Light (4)
B	AG-119	3-Way Connector
C	AG-139	13-Foot 2-Way Extension
D		Light Sensor Only Included with AG-83
E	AG-83	60Watt Transformer
F	AG-84	Colored Lens Set (4)

For replacement parts, contact our customer service department at **909-424-0221**.  
8:00 am – 4:30 pm PST, Monday through Friday.

## TROUBLESHOOTING

- If lights fail to illuminate, check that lights are getting power by testing another appliance in the same power outlet.
- The light is designed to turn on when it gets dark, and turn off when it gets light. To activate the light during daylight hours, cover the sensor.
- If the light will not illuminate, follow the instructions for "Replacing The Bulb".
- If lights do not turn off during daytime, check sensor. Make sure the sensor faces up and is not covered by dirt or debris.

## PREPARATION

Before beginning assembly or operation of product, make sure all parts are present. Compare parts with package contents list on the cover and diagram on the reverse side of this document. If any part is missing or damaged, do not attempt to assemble, install or operate the product. Contact customer service for replacement parts.

- Estimated Assembly Time: 5 minutes
- No tools required for assembly.

# Submersible Light Kit Four 12V/10W Halogen Submersible Lights with 60W Transformer and daylight off sensor

model **AG-80**

## PACKAGE CONTENTS

Part	Description	Qty
AG-81	Single Light with 16-foot cord	4
AG-83	Transformer w/sensor	1
AG-84	Lens Set (Red, Blue, Yellow, Green)	4
AG-139	13-Foot Wire Extension	1
AG-85	Replacement Bulb	4

## Questions, problems, missing parts?

Before returning to your retailer, contact our customer service department at **909 424-0221**  
8:00 am – 4:30 pm, PST, Monday - Friday, or  
e-mail us at [info@alsgardenart.com](mailto:info@alsgardenart.com)

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## WARNINGS AND CAUTIONS

### WARNING

- Risk of Electrical shock. Install only to a covered Class A GFCI receptacle that has an enclosure that is weatherproof with the attachment plug cap inserted or removed.
- Risk of Electrical shock. Mount the unit at a height greater than 1 foot from the ground surface.
- Risk of Fire. Installation involves special wiring methods to run wiring through a building structure, consult a qualified electrician.
- Risk of electric shock, do not remove the cord and strain relief.
- Do not remove the grounding pin from the power cord plug.
- Do NOT submerge the Transformer.
- **Risk of electrical shock** – This submersible light kit has not been investigated for use in swimming pool or marine areas.

### CAUTION

- This light kit has been evaluated for use in or above water only.
- Use a proper power source as indicated on the Transformer label.
- Keep the cord away from high temperatures or other heat sources.
- **TRANSFORMER CAPACITY:** Make sure that the total number of lights connected to the Transformer does not exceed the transformer 60-watt output capacity.
- Do not use lights in water less than 50° F or exceeding 104° F.
- Do not use with a dimmer.
- The light is not to be used in swimming pools or spas.
- Lighted lamp gets hot quickly!
- Do not touch hot lens, guard or enclosure.

## LIMITED WARRANTY

This warranty is offered to you as an extra benefit and does not affect your rights as a consumer in any way. This unit has been checked for compliance to performance requirements at the time of manufacture and are made in accordance with the requirements set forth in UL1310 to insure safe operations over the life of the product.

This light kit is warranted against manufactured defect for one (1) year from the date of purchase. Proof of purchase is required for all warranty claims. The warranty is not valid if defects are caused by tampering, negligence, misuse or not observing safety warnings. No responsibility is assumed for indirect damage that may result from the use of this appliance.

The warranty does not apply to or cover damages or defects caused by external causes, including, but not limited to, improper or faulty installation or unauthorized modification, lightning, electrical surges, abuse, misuse or abnormal use or misapplication, including use in a manner inconsistent with the product's intended function. The purchaser is responsible for determining the suitability of the product for its intended use. If products are damaged in transit, a claim should be filed with the carrier.

This warranty does not cover the AG-85 high intensity halogen bulb.

## ASSEMBLY INSTRUCTIONS

1. (Fig. 1) Using the 3-way adaptors and the 13-foot 2-way extension cord connect all lights as shown. Press each plug so it is firmly seated and hand tighten the nut from the plug to each socket.
2. (Fig. 2) Connect the lights to the sensor by pushing the plug into the sensor socket until it is firmly seated. Hand tighten the nut from the plug to the socket.
3. (Fig. 3) Connect the sensor to the transformer by pushing the plug into the transformer socket until it is firmly seated. Hand tighten the nut from the plug to the socket.
4. Place the lights in or out of the water. DO NOT SUBMERGE the transformer and sensor.

Make sure the light sensor faces up.

NOTE: At night, the lights will automatically turn on. At sunrise, they will automatically turn off.

4. (Fig. 4) Plug the transformer into a properly grounded electrical outlet.

