



5100 Series Telescoping All-Round Light

Installation Instructions

Lights meet USCG CFR 183.810, ABYC A-16 requirements, and all applicable standards as tested by Imanna Labs, 12/20/2002. 2 Nautical Mile visibility. Lights use Lamp 9235-7 #906, 6 candle power, 13V.

Form Number 69412 Rev. B

04-12

Lights consist of anodized aluminum poles with lightweight head and frosted globe. Connect to 12-volt D.C. power only. The telescoping light mounts to a horizontal surface. Allows light pole to be retracted below deck. Full-range adjustment requires below-deck clearance of 9" (22.8 cm) wide by 30" (76.2 cm) deep.

CAUTION

To prevent personal injury, always disconnect the power source when installing or servicing any electrical product. Remove vessel from water when using any 110/120 VAC power tools.

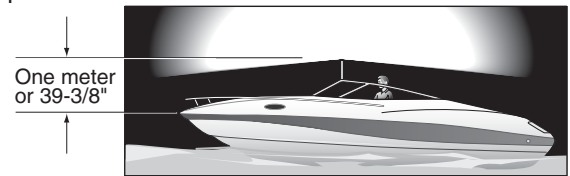
REQUIRED FOR INSTALLATION

- Drill and suitable drill bits for mounting location
- 1/4" (6.35 mm) drill bit for wire routing hole
- Marine-grade caulking/sealer
- Screwdriver
- Three #10 flat head stainless steel screws
- Attwood Three-Position Switch (#7594)
- Fuse holder and 1-amp fuse
- 16-gauge wire
- Appropriate marine-grade wire connector
- Electrical tape

MOUNTING LOCATION

Frosted Globe All-Round Lights are designed for boats up to 39.4' (12m). Position the light so its bulb is not less than one meter (39.4") above sidelights. If replacing an existing pole light, replace with a pole at least as long as the existing. Mount the light in a position that will allow the light to shine 360-degrees, unobstructed. (Figure 1)

Figure 1



INSTALLATION INSTRUCTIONS

1. Inspect mounting location for proper below-deck clearance.
2. Using the template provided, mark the location of the pole opening and the mounting holes. (Figure 2)
3. Drill pilot holes for #10 screws and a 1" (2.54 cm) opening for pole. Clean any rough edges.
4. Feed wires through 1" (2.54 cm) opening. Fully insert the light pole and check for proper below-deck clearance. Remove pole.
5. Apply caulk to the bottom of base. Align the base over mounting holes and press into place. Insert #10 screws. Do not tighten.
6. Re-insert light pole. Ensure that it slides up and down easily and locks properly. Also ensure that enough wire is provided to allow full movement of light pole.
7. Tighten mounting screws. Do not over tighten.

WIRING INSTRUCTIONS:

1. Using an Attwood Three Position Switch (#7594):
 - a. Splice fuse holder and 1-amp fuse into a length of 16-gauge wire and connect to the terminal on switch and the positive terminal on battery.
 - b. Connect the grey wire from the all-round light to one switch terminal, and the grey wire from the sidelights to the other switch terminal.
 - c. Connect the black wires to negative ground.
2. Pull switch and check for proper operation. The first position turns on the all-round light only (for use when boat is at anchor). The second position turns on the all-round light and the navigation side lights (for use when boat is under motion).
3. Finish electrical connections with marine grade wire connectors and tape securely.
4. Adjust pole to vertical position on fold-down all-round light and tighten adjustment knob, or adjust telescoping all-round light to maximum height and tighten locking knob.

REPLACEMENT PARTS:

To replace globe, order Attwood part number #91017B. To replace lamp, order Attwood part number #9235-7.

This product carries the standard Attwood one-year warranty. See www.attwoodmarine.com or Product Catalog for details.

Figure 2

