



# 2-Mile Vertical Sidelights

Models 3830, 3834, 3838, 3831, 3835 and 3839

## SAVE THESE INSTRUCTIONS

Form Number 69393 Rev. B

03-10

12-Volt Models	24-Volt Models	Description
3830	3831	Black Base, Red/Green Vertical Sidelight Pair
3834	3835	White Base, Red/Green Vertical Sidelight Pair
3838	3839	S.S. Base, Red/Green Vertical Sidelight Pair

## FEATURES

These Attwood Stainless Steel Vertical Sidelights provide 2 Nautical Mile visibility and are designed for boats up to 20 meters/65.6 feet. The housing is corrosion-proof and the base gasket forms a seal between the lens and deck for easy, water-resistant installation.

Lights meet USCG CFR 183.810, ABYC A-16 requirements, and all applicable standards as tested by Immana Labs, 7/28/2003. Lights use 8-watt festoon lamp, Attwood Part No. #9230 (13-volt) or #910409 (24-volt). See chart above for voltage.

## REQUIRED FOR INSTALLATION

- Phillips screwdriver
- Cordless drill; 7/64" (#32 drill) and 3/8" (3 and 10mm) bits
- Three #6 pan head stainless steel tapping screws (not included)
- Marine-grade non-silicone sealant
- 16-gauge wire and waterproof crimp connectors

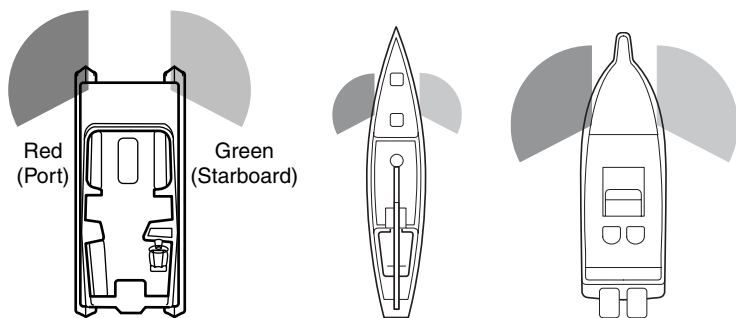
## INSTALLATION LOCATION

Before drilling mounting holes, position sidelights on a surface of the gunwale or deck where you are certain that sidelights:

- Are equal distance from the bow (Figure 1)
- Shine straight ahead
- Shine within 5° of horizontal **when the boat is floating**
- The light beam is not obstructed

Place lights with the red lens on the port (left) and green lens on the starboard (right). Be sure there are no obstructions at the front or side within the light's arc of visibility (112.5 degrees each side).

Figure 1

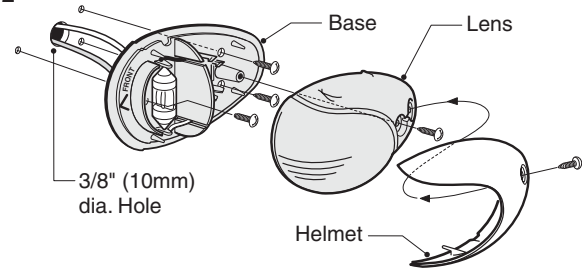


## INSTALLATION

1. To access light base mounting holes, remove exterior screw and stainless steel or plastic lens helmet. (Figure 2)
2. Remove lens screw and colored lens. Save screws, helmet, and lens for reinstallation.
3. Place light in position as shown in Figure 1.
4. Hold base with "FRONT" arrow pointing forward.

**Important:** Before drilling, be sure that light will shine straight ahead and within 5° of horizontal **when boat is floating.**

Figure 2



5. Use base as a template to mark location of three mounting holes and a center hole for wire access.

## CAUTION

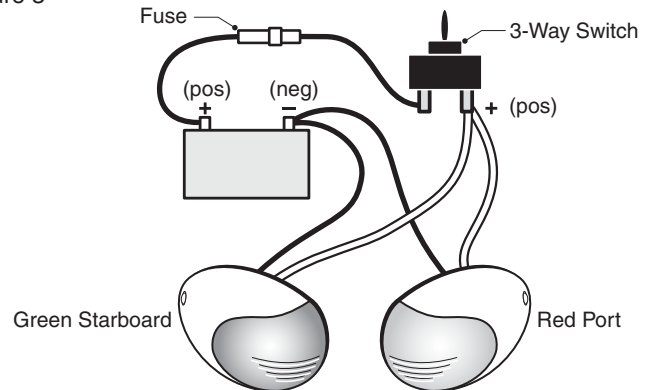
Position wire access hole carefully, especially on aluminum boats, so that wires do not contact the hull.

6. Drill 3/8" (10mm) diameter hole for wire access and three 7/64" (3mm) diameter holes for mounting screws. (Figure 2).
7. Bring one 16-gauge (+) and one (-) wire up through access hole. **DO NOT** connect these wires to power until you read FINAL WIRING INSTRUCTIONS (Figure 3)
8. Connect wires using waterproof crimp connectors.
9. Fasten light to deck with three #6 stainless steel screws. **DO NOT OVERTIGHTEN** screws.
10. Replace lens over base. Replace lens screw.
11. Replace helmet over lens. Replace helmet screw.

## FINAL WIRING INSTRUCTIONS

Use **ONLY** the rated voltage (see chart above). All positive wires must be protected by a 1-amp fuse. Higher voltage or failure to make proper wire and fuse connections will void the product warranty. Use crimp type marine-grade connectors with suitable insulation. Protect all connections with suitable materials.

Figure 3



1. Neatly thread wires to the switch, avoiding areas where abrasion or snagging may occur.
2. Use switch (Attwood #14386 or equivalent) that allows two-position ON/OFF/ON operation — one for running lights, and one for anchor lights. Attach wires with crimp-on butt joint connectors. Test lights for proper operation.

## MAINTENANCE

To replace lamp: Remove the helmet and lens (Figure 2). Use small slotted screwdriver to pry old lamp out of terminals. Replace with the proper festoon-base lamp: Attwood #9230 (12-volt), or #910409 (24-volt). Replace lens, helmet, and retaining screws.

## ATTWOOD LIMITED WARRANTY

**This product carries the standard Attwood one-year warranty. See Product Catalog or [www.attwoodmarine.com](http://www.attwoodmarine.com) for details.**

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