

# Read ALL Instructions Prior to Installation!

## Perko Round 6911 & Perko Tear Drop 1048

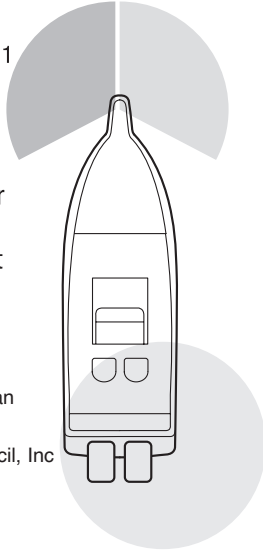
### CAUTION

To prevent personal injury, always disconnect the power source when installing or servicing this product. Always remove the boat from the water before using 120 VAC power tools.

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Note: For technical detailed positioning follow COLREG 72 or ABYC A-16. Figure 1 is a simplified drawing of placement of navigational lights in relationship to one another.

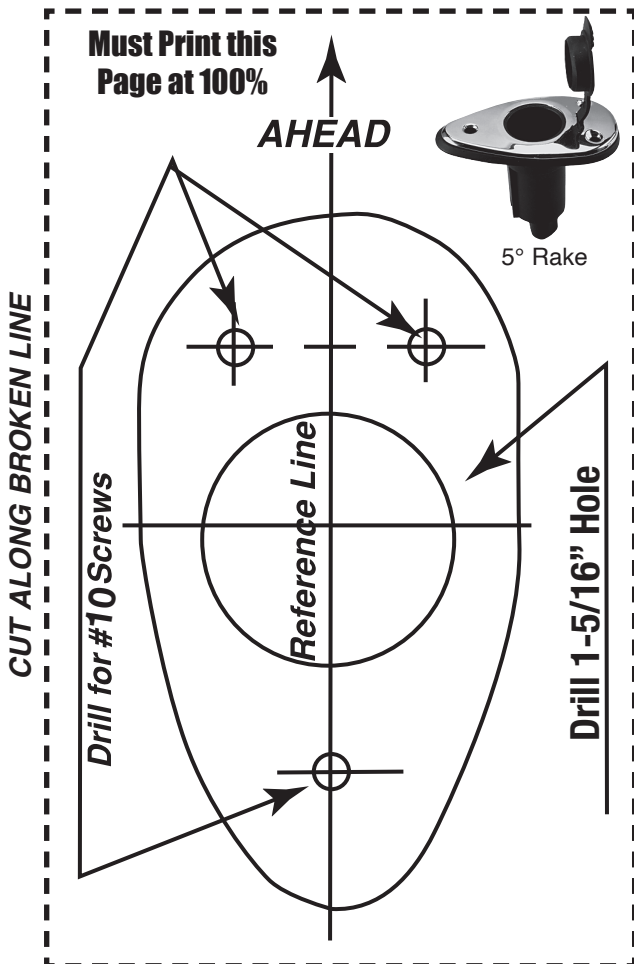
Figure 1



\* The above referenced standards can be obtained from:

- (1) American Boat & Yacht Council, Inc  
613 Third St, Suite 10  
Annapolis, MD 21403
- (2) U.S. Coast Guard  
Washington, DC 20593  
(or your local C.G. Office)

Figure 2



### INSTALLATION INSTRUCTIONS

Note: If replacing port... unscrew old port, use Fig 2 to ensure fit, mark wires & go to step 3.

1. Position the light base either on the bow for combination sidelights or the stern or gunwale for all-round lights. Be sure that the mounting surface is flat and that selected area will accommodate the base dimensions. Base angle and position must properly place light used in base.

2. Using the template provided (Figure 2 & 3), locate the base center line parallel to the boat fore-and-aft center line and carefully mark the center installation hole and the screw holes. Drill the hole per Fig. 2 or Fig. 3 (depending on which port you are installing) being very careful not to crack or break the gelcoat finish by adding masking tape prior to drilling or other techniques. Sand to remove burrs from around the edge of the hole.

3. Wire port: On some installations you may have to connect the wires then push them back through wire hole prior to screwing down the base. (See final wiring directions below.)

4. Holes for Port: Many customers prefer using a counter sink bit to start the hole and prevent crack formation, then \*drilling 5/32" pilot holes\* for #10 screws. For more protection, apply masking tape prior to drilling. Apply sealant between deck and light base. Use phillips screw driver MANUALLY and only tighten until firm. URGENT: Do NOT overtighten screws.

#### \*URGENT NOTES:

A. Once you drill the port hole, set port into hole and make sure it is snug. If there is any wiggle room, apply 1 or more layers of electrical tape around the port until it is snug.

B. \*Note: The size of pilot hole for #10 screws into your fiberglass boat is up to you. 5/32" drill bit is what most customers use, but again this is up to you. If in doubt, test drill into spare piece of fiberglass or hardwood and always feel free to check with your boat manufacturer before you drill.

#### FINAL WIRING:

Connect the black wire to the battery ground (-) harness, using a crimp-on wire connector. Attach the remaining white wire to the positive switched wire from the navigation light switch.

All positive wires must be fused according to light specs to protect the circuit. MAKE SURE POWER SOURCE IS 12-VOLT D.C. ONLY.

HIGHER VOLTAGE CAN CAUSE DAMAGE TO LIGHT AND WIRE CIRCUITRY.

Insert light pole into base and press down to make contact. Insert locking collar into base. Rotate collar until tight to hold light pole in base. Test light operation. Remove and stow light. Close cover to protect contacts when not in use.

Figure 3

