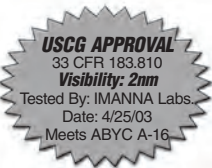


PERKO®

**CAT. NOS. 1400, 1470 and 1451 SERIES
WHITE ALL-ROUND LIGHTS (ALL SIZES)**

The Delta Series (Figure No. 1470 & 1451) lights are for use on power driven vessels under 20 meters (65.6 ft.) in length operating on a nominal 12 volt system. The Alpha Series (Figure No. 1400) lights are for use on sail or power driven vessels under 20 meters (65.6 ft.) in length operating on a nominal 12 volt system (See Diagram #1). All must be used with a separately mounted base (such as PERKO figure numbers 1045, 1046, 1047, 1059 or 1060). When properly installed, these replacement poles will comply with '72 COLREGS and the U. S. Inland Rules.



MOUNTING INFORMATION
(Read all instructions before proceeding.)

- 1). For information on proper light selection, positioning and configuration, refer to A.B.Y.C. Standard A-16 (1), the '72 COLREGS, and the U.S. Inland Rules (2).
- 2). The center of the lens of white all-round pole lights must be located at least 1 meter (39.4") above the center of the lenses of either the bi-color or the red and green side lights on the vessel. Be sure to use a light with a sufficiently long pole to meet this requirement.
- 3). **IMPORTANT:** "Reduced Glare" globes (Delta Series lights) must be mounted so that they are aligned horizontally when the boat is at rest in the water in a "static floating position". See Diagram #2 in order to assure compliance with technical details of the regulation and employ the "Reduced Glare" feature of the series optical system. To adjust horizontal position of globe, install pole light into base on boat while in its static floating position. Loosen setscrew at top of pole. Adjust position of globe (relative to water) so that it is aligned horizontally. Tighten setscrew to hold globe in that position.
- 4). Changing globes: Both globes supplied with Delta Series lights are legal for use while underway and at anchor. The black bottom globe provides reduced glare benefits and is preferable for use when underway. The clear frosted bottom globe provides light into the cockpit and is preferable for use when supplemental cockpit illumination is desired. The clear globe does not provide reduced glare benefits. If used while underway, be sure drivers eyes are shielded from glare produced from the light. To change globes, hold pole firmly to avoid stress on pole/base connection and simply unscrew globe. **CAUTION:** Illuminated globes can get very hot. Use a glove or some other form of hand protection if changing globes while hot.
- 5). These replacement poles will fit a large number of base styles produced by various manufacturers. The differences involve screw positions and the use of a collar. Before attempting to install poles, identify the style of base currently on the boat. (See Back)
- 6). To store folding lights (Series 1451) grasp both sections of pole and push towards center coupling (See Diagram #3). While pushing, rotate one end of pole until screw is positioned in open slot. Gently pull poles apart until they are clear of each other, then fold one pole onto the other with wire passing through slot. **NOTE:** The wire will remain connected to both poles and will be damaged if too much pulling force is applied.

DIAGRAM #1



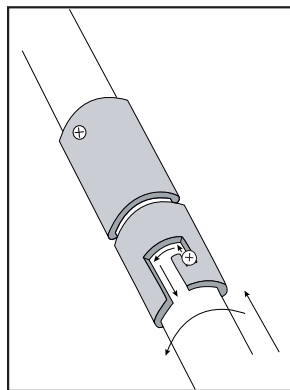
**Translucent
White
All-Round Light**

DIAGRAM #2



**Note: Clear Globes
Must Be Vertical
During Operation.**

DIAGRAM #3



POLE LIGHT COLLAR & SCREW POSITION CONFIGURATIONS USED IN COMMON BASE TYPE APPLICATIONS:

A). OLD STYLE PERKO BASES

Figure Nos. 1023 & 1026 (With Locking Ring on the Base)

One screw in bottom position. No Collar. Remove top screw and cover hole with silver disk included in package.

B). CURRENT STYLE PERKO BASES WITH ECCENTRIC COLLARS

Perko Series 1045, 1046, 1047, 1059 & 1060 and Some Imported Bases

One screw in bottom position. Eccentric Collar (check base to determine collar type – threaded or eccentric). Remove top screw and cover hole with silver disk included in package.

C). CURRENT STYLE PERKO BASES WITH THREADED COLLARS

Perko series 1048 and special versions of Perko Series 1045 bases

One screw in bottom position. Threaded Collar (check base to determine collar type – threaded or eccentric). Remove top screw and cover hole with silver disk included in package. **NOTE:** spacer is needed under collar when light is used with special 1045 style base with threaded collar

Optional Spacer →

D). MANY BASES MADE BY OTHER MANUFACTURERS

Determine screw position by inserting pole into base. Application may require one screw in either the top or bottom position or it may require the use of both screws. Likewise, the application may not require a collar or may require the use of a threaded or eccentric collar. Fit pole into base to determine need. If necessary, move screw to correct position. If a screw hole is left unused, cover the unused screw hole with the silver colored self-adhesive disk included in the package.

Note: Relamp only with bulb type as marked on globe or inside fixture. For light Diagram #1, use replacement bulbs PERKO Cat. No. 0337012DP 12V, 11W. For light Diagram #2, use replacement bulbs PERKO Cat. No. 0338DP2CLR 12V, 9W.

(1) American Boat & Yacht Council, Inc.
613 Third Street, Suite 10
Annapolis, MD 21403

(2) U.S. Coast Guard
Washington D.C. 20593
(or your local C.G. Office)

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12/08
1470INS1

**FIGS. 1470
& 1451**



**Delta
Series**
The
Ultimate
Pole
Light

FIG. 1400



**Alpha
Series**
The
Standard
in
Pole
Lights