



LED ANTI-GLARE ALL-ROUND LIGHTS

5530 Series: Articulating Head LED Light

5540 Series: Articulating Head LED Light w/ Folding Pole

SAVE THESE INSTRUCTIONS

INSTALLATION INSTRUCTIONS

09/02

69422 Rev. C (PKG)

For instructions in multiple languages, see product instructions online at www.attwood.com.

Lights meet USCG CFR 183.810, ABYC A-16 requirements, and all applicable standards as tested by Imanna Laboratories, 5/3/2007. 2 nautical mile visibility.

CAUTION

Read all instructions carefully before installing and using this product. All positive (+12V DC) lighting wires require a 1-amp fuse to protect circuits and vessel. The aluminum light pole is not grounded.

MAKE SURE POWER SOURCE IS 12-VOLT DC ONLY. HIGHER VOLTAGE WILL DAMAGE LIGHT AND CIRCUITRY.

WARNING Disconnect power when installing or servicing this product. Remove boat from water before using any 120V AC power tools.

LOCATION

5530 and 5540 Series All-Round Lights are designed for boats up to 39.4 feet (12m). Position the all-round light so its LED light source is not less than one meter (39.4 in) above sidelights. If replacing an existing pole light, replace with a pole at least as long as the existing pole.

Mount the all-round light in a position so that: (Figure 1)

- Light output is flat and parallel to water when boat is floating.
- Light shines 360°, unobstructed
- Light does not shine on operator, or reflect off any part of the boat in the operator's field of vision.

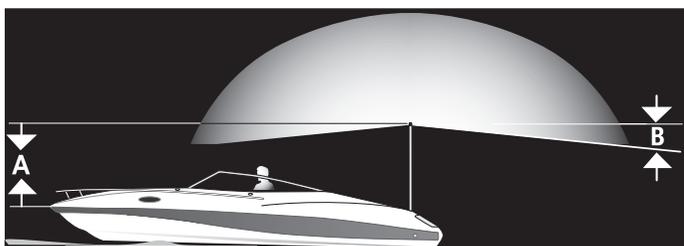


Figure 1
A. One meter or 39-3/8 in
B. 7°

BASE WIRING

IMPORTANT: LED-based lights MUST be wired for correct polarity. If your light does not function after installation, the light base may require re-wiring. To re-wire if necessary:

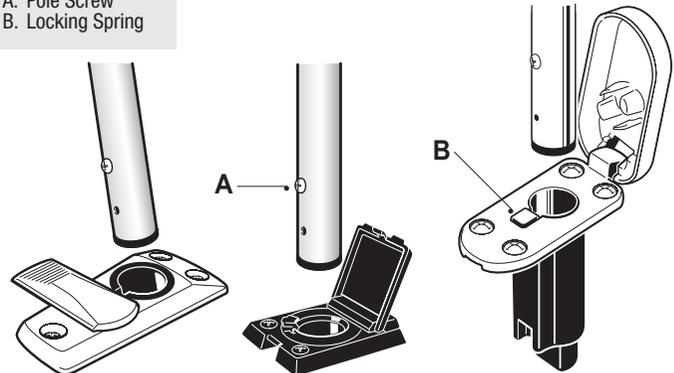
1. Unscrew or remove the base so you can reach wiring.
2. Locate the connection between base wiring and the boat's wiring harness.
3. Cut wires. Add waterproof splice to each wire end.
4. Reverse polarity by reversing original wire connection to the wire harness.
5. Temporarily plug light into the base to check operation.
6. Remove light and reinstall base.

NOTE: Do not use light pole as a flagpole or handle.

INSTALLATION - Poles Without Locking Collar

1. Align pole screw with the slot (or locking spring) in the existing base. Insert pole into base (Figure 3).
2. Press down firmly to engage electrical connectors. With Easy Lock Base, be sure locking spring clicks over pole screw.
3. To remove:
 - Pull locking spring back (on Easy Lock Base)
 - Pull pole straight up

Figure 3
A. Pole Screw
B. Locking Spring



INSTALLATION - Poles With Locking Collar (5530 Series)

1. Align pole screw with the slot (or locking spring) in the existing base. Insert pole into base (Figure 4).
2. Press down firmly to engage electrical connectors. With Easy Lock Base, be sure locking spring clicks over pole screw.
3. Slide locking collar down to base, rotate until you can insert lower ring inside top of base.

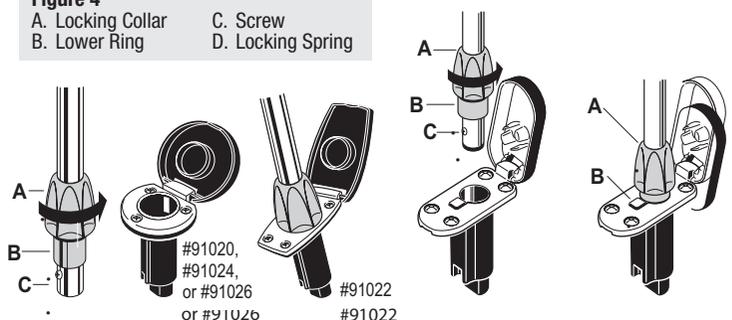
NOTE: Locking Collar stays above the Easy Lock Base.

4. On bases other than the Easy Lock Series, press collar down into base and rotate until it tightens between pole and base.

NOTE: Periodically check pole to make sure it is secure.

5. To remove:
 - Pull locking spring back (on Easy Lock Base)
 - On other bases, rotate locking collar in opposite direction until it loosens
 - Pull pole straight up

Figure 4
A. Locking Collar
B. Lower Ring
C. Screw
D. Locking Spring



TO CONVERT POLE FOR USE WITHOUT LOCKING COLLAR

1. For bases that do not accept locking collar, remove screw at bottom of pole. Slide locking collar off end of pole.
2. Replace screw in the upper screw hole.

OPERATION

After installation, check lights to verify proper operation. Regulations require lights to be operated with a three position switch for:

1. Running lights (sidelights and all-round light);
2. Anchor lights (all round light only);
3. Off.

EXTENDING AND FOLDING THE POLE (5540 Series)

The light is shipped with the pole folded and collars locked.

1. To unlock pole: Hold folded pole with lens upright. Pull the collar down (on lens half of the pole). Pull the opposite locking collar up. This separates the collars. (Figure 2)

⚠ CAUTION: When unfolding pole, do not pinch fingers in hinge.

2. Unfold pole so it is straight and threads are tight together. Slide hinge collar down and turn onto threads. Hand-tighten only.
3. To fold and stow, reverse steps 1 and 2. Insert tab of hinge collar into groove of locking collar. Press collars together.

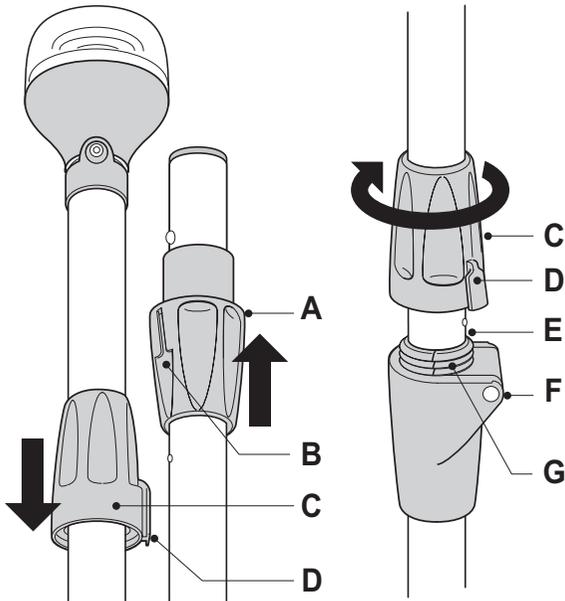


Figure 2

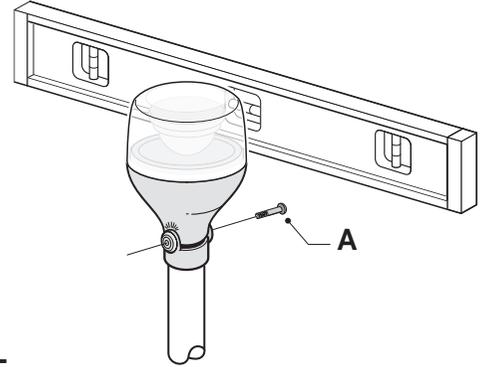
- | | |
|-------------------|-------------------------|
| A. Locking Collar | E. CAUTION: Pinch Point |
| B. Groove | F. Hinge |
| C. Hinge Collar | G. Thread |
| D. Tab | |

TO ADJUST ANTI-GLARE ARTICULATING HEAD

For best glare reduction, adjust the light while the boat is floating, or at the same attitude as if it were floating.

1. Remove the pivot screw. Pull the top pivot up and away from yoke. (Figure 5)
2. Place a small level against the lens and rotate to level position.
3. When it is level, push yoke and pivot back together. Replace and tighten screw. (Do not over tighten).

Figure 5
A. Pivot Screw



MAINTENANCE

When not in use, store in Pole Light Storage Clips (Attwood #7571). Choose a storage location where light will not be damaged or be in constant contact with water.

ATTWOOD LIMITED 10-YEAR WARRANTY

Because of the longevity of Attwood's LED lighting technology, Attwood offers a limited 10-year warranty on this LED lighting product. See Product Catalog or attwoodmarine.com for details.