INSTALLATION INSTRUCTIONS
For Light Bar Tops:
LTBA-7800, LTBP-1197

Refer to website for most up to date instructions and videos.
WWW.SEAVIEWGLOBAL.COM
PARTS INCLUDED

- LTBA-7800 (x1)
- LTBP-1197 (x1)
- LTBP-1197 (x2)

TOOLS NEEDED

- 3M 4000 or equivalent
Apply marine adhesive sealant around the shaft of the LTBA-7800 and then slide into the top end of the lightbar.

Apply marine adhesive sealant around the shaft of the LTBP-1197 and then slide into the top end of the lightbar.
2 Be sure that the light is facing the correct direction. One way to tell is that the mark on the light base should line up with the push pin hole on the light bar.

LTBP-1197 LTBA-7800

3 Insert the two push pins into the light bar and light to secure.
Wiring diagrams are on the next few pages.
The above lights are designed for use on sail or power driven vessels under 20 meters (65.6 ft) in length, operating at a nominal 12 volt or 24 volt system. In order to comply with '72 COLREGS and U.S. Inland Navigation Rules*, the following must be adhered to:

**MOUNTING INFORMATION**

1. **These instructions show the orientation of each light. For proper light selection, positioning and configuration, refer to A.B.Y.C. Standard A-16*, the '72 COLREGS and the U.S. Inland Navigation Rules*. These lights are supplied complete with 12 volt bulbs (Cat No. 0071DP0CLR, 12V, 10W), however, 24 volt bulbs (Cat No. 0072DP1CLR, 24V, 10W) are available for 24 volt systems.

2. **These lights are designed to be mounted on a horizontal surface.

3. **Cat. Nos. 1183000CHR, 1183DP0CHR, 1196001CHR, 1196DP1CHR, 1196002CHR and 1196DP2CHR:** These lights are furnished for mounting such that the long dimension of the mounting base is parallel to the fore-aft centerline of the boat. If a mounting is desired such that the long dimension of the mounting base is perpendicular to the fore-aft centerline of the boat, substitute instruction d) below for instructions a) to c).
   a) Draw a 4 inch long reference line through the center of the selected mounting location and parallel to the fore-aft centerline of the boat.
   b) Cut out the mounting template below. Tape it on the mounting surface such that the reference line (drawn above) is directly underneath the reference line marked on the template.
   c) Drill 2 holes through the template to accommodate #8 round head mounting screws. Drill one 3/8 inch hole to accommodate the electric wiring. (Proceed with instruction #5 below).
   d) Special Instruction only for mounting with the long dimension of the mounting base perpendicular to the fore-aft centerline of the boat:
      1) Draw a 4 inch long reference line through the center of the selected mounting location and perpendicular to the fore-aft centerline of the boat.
      2) Remove the holding screw (see illustration) and rotate light assembly on the tube 90° in one direction the other until a second hole appears on the tube. Re-insert the holding screw into the Light assembly such that it enters the new tube hole to anchor the assembly 90° from its original position.
      3) Cut out the mounting template below. Tape it on the mounting surface such that the reference line (drawn above) is directly underneath the reference line marked on the template.
      4) Drill 2 holes through the template to accommodate #8 round head mounting screws. Drill one 3/8 inch hole to accommodate the electrical wiring.
   4. **Cat. No. 1197000CHR:** This light is furnished with a 3/4 inch tube and is designed to be mounted vertically into a 3/4 inch hole.
   5. **Attach supply connections to the light making sure to wire in accordance with both A.B.Y.C. Standard E4* and U.S. Coast Guard Safety Standards for Boat Electrical Systems (33 CFR 183)*. The supply leads are coded as follows:

   - Gray or Red: Aft compartment (when energized with the forward compartment: all-round light) positive lead
   - Black: Ground
   - White (Forward): To Other Running Lights (Sides & Stern)
   - Gray (Aft): To Other Running Lights (Sides & Stern)

   Supply leads must be connected as follows to allow for proper operation:
   - One position illuminates running lights (sidelights, stern lights etc.) while underway. Both compartments are energized simultaneously by themselves to create the all-round (anchor) light. Be sure to use double-pole switches, otherwise feedback will cause all lights in the system to be energized at the wrong time. SEE WIRING DIAGRAM.

   - Double-pole, double throw switch

   WIRING DIAGRAM FOR COMBINATION

   **MOUNTING Template**

   **View of Typical Switch Connections**
Fig. Nos. 1183 Series Combination Masthead and All-Round White (Anchor) Lights.
Fig. Nos. 1196 Series Combination Masthead and All-Round White (Anchor) Lights.
Fig. Nos. 1197 Series Combination Masthead and All-Round White (Anchor) Lights.

USCG APPROVAL
33 CFR 183.810
Visibility: 3nm
Tested By: IMANNA Labs.

The above lights are designed for use on sail or power driven vessels under 20 meters (65.6 ft) in length, operating at a nominal 12 volt or 24 volt system. In order to comply with '72 COLREGS and U.S. Inland Navigation Rules*, the following must be adhered to:

Meets ABYC A-16

MOUNTING INFORMATION

Read all instructions before proceeding.

1). These instructions show the orientation of each light. For proper light selection, positioning and configuration, refer to A.B.Y.C. Standard A-16*, the '72 COLREGS and the U.S. Inland Navigation Rules*. These lights are supplied complete with 12 volt bulbs (Cat No. 0071DP0CLR, 12V, 10W), however, 24 volt bulbs (Cat No. 0072DP1CLR, 24V, 10W) are available for 24 volt systems.

2). These lights are designed to be mounted on a horizontal surface.

3). Cat. Nos. 1183000CHR, 1183DP0CHR, 1196001CHR, 1196DP1CHR, 1196002CHR and 1196DP2CHR: These lights are furnished for mounting such that the long dimension of the mounting base is parallel to the fore-aft centerline of the boat. If a mounting is desired such that the long dimension of the mounting base is perpendicular to the fore-aft centerline of the boat, substitute instruction d) below for instructions a) to c).

a). Draw a 4 inch long reference line through the center of the selected mounting location and parallel to the fore-aft centerline of the boat.

b). Cut out the mounting template below. Tape it on the mounting surface such that the reference line (drawn above) is directly underneath the reference line marked on the template.

c). Drill 2 holes through the template to accommodate #8 round head mounting screws. Drill one 3/8 inch hole to accommodate the electric wiring. (Proceed with instruction #5 below).

4). Cat. No. 1197000CHR: This light is furnished with a 3/4 inch tube and is designed to be mounted vertically into a 3/4 inch hole.

5). Attach supply connections to the light making sure to wire in accordance with both A.B.Y.C. Standard E4* and U.S. The supply leads are coded as follows:

WHITE: Forward compartment (masthead light) positive lead supply.
GRAY or RED: Aft compartment (when energized with the forward compartment: all-round light) positive lead supply.
BLACK: Negative lead supply. (CAUTION: Negative lead connected to case. To avoid energizing case, observe polarity).

Electrical connections are to be made such that only the forward compartment (masthead light) is energized with the other running lights (sidelights, stern lights etc.) while underway. Both compartments are energized simultaneously by themselves to create the all-round (anchor) light. Be sure to use double-pole switches, otherwise feedback will cause all lights in the system to be energized at the wrong time. SEE WIRING DIAGRAM.

6). Mount the base in accordance with both the template and instruction #7 below.

7). Make the top of the light is vertical during operation (see illustration) and the arrow on the top cover points ahead (not astern), with the reference mark parallel to the fore-aft centerline of the boat.

8). Relamp only with PERKO Cat. No. 0071DP0CLR bulbs (12V, 10W) or PERKO Cat. No. 0072DP1CLR bulbs (24V, 10W) to remain in compliance.

*The above referenced standards can be obtained from:

(1). American Boat & Yacht Council,Inc.
3069 Solomans Island Road
Edgewater, Maryland 21037

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

NOTICE: TOP OF LIGHT MUST BE VERTICAL DURING OPERATION

• Double-pole, double throw switch (center off)
• One position illuminates running lights (masthead, side & stern)
• Other position illuminates anchor light (forward & aft compartments of combination masthead/anchor light)

PERKO, INC.
16490 N.W. 13th Avenue
Miami, FL 33169-5707
www.perko.com

2/04
1183INS1
**LED ANCHOR/MASTHEAD LIGHT**

**12-VOLT: 7800 Series**

**FEATURES**

Attwood 3-mile (4.8 km) Anchor/Masthead Lights consist of anodized aluminum poles with lightweight heads. Horizontal base allows light pole to be adjusted and locked within a 180° arc.

Lights provide a 3-mile, 225° forward running light and 2-mile all-round anchor light. For power-driven boats up to 65.6 feet (20 meters). Lights meet USCG CFR 183.810, ABYC A-16 requirements, and all applicable standards as tested by Imanna Laboratory, Inc., December 3, 2007.

**CAUTION**

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

**REQUIRED FOR INSTALLATION**

- Cordless drill; 1/8" and 3/8" (3 and 10mm) bits
- Marine-grade non-silicone sealant
- Phillips screwdriver
- Two #10 stainless steel counter sunk screws
- 3-position switch (OFF/ON/ON)
- Fuse holder and fuse: 1-amp (for 12-volt systems)
- 16-gauge wire
- Marine-grade wire connectors for 16-gauge wire

**MOUNTING LOCATION**

**CAUTION**

Install light so that logo stamped in the metal plate is TOWARD BOW and aligned on the fore/aft centerline of the vessel (within 1°). If not properly aligned, lights will not shine in required fore/aft arc. (Figure 2)

Base must pivot on the fore/aft centerline and be mounted on a surface that allows a 360° arc of unobstructed light visibility. (Figure 1)

**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.
INSTALL LIGHT
1. Loosen knob and adjust light to vertical position. (Figure 2)
2. Place light in selected position.
3. Use adaptors, if necessary, to allow installation on angled windshields.
4. Using the base as a template, mark the two mounting hole locations and one wire access hole. (Figure 3)

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

5. Remove light. Drill two 1/8” (3mm) pilot holes for #10 screws. Drill one 3/8” (10mm) wire access hole.
6. Bring two 16-gauge (+) wires and one 16-gauge (-) wire up through access hole. DO NOT connect power to switch until you read CONNECT POWER TO SWITCH.
7. Use marine-grade waterproof crimp connectors to connect blue wire to one (+) positive lead from 3-position switch; connect gray wire to second (+) lead. Connect (-) negative source to black wire and route to (-) negative terminal on battery.
8. Fasten light to deck with two #10 stainless steel counter sunk screws. DO NOT OVERTIGHTEN.

CONNECT POWER TO SWITCH
Use ONLY the rated voltage. Higher voltage can damage light and void product warranty. All positive (+) wires must be protected by fuse (1-amp for 12-volt).
1. Use 3-position, double-pole OFF/ON/ON switch. (Figure 4)
2. Masthead (running) Lights: Gray (power +) wire should be connected to the switch so it can be powered independent from the anchor light. This switch position can also be wired to control other running lights i.e. bow, stern lights. (Figure 5)
3. Anchoring (All-Round) Lights: Blue (power +) wire should be connected to the switch so both Masthead (running) lights and anchor light are powered at the same time. (Figure 5)
4. Test forward running and anchor lights for proper operation.

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.

Figure 1
Figura 1
Abbildung 1
Figuur 1

© 2008 Attwood Corporation
1016 N. Monroe Street, Lowell, MI 49331-0260 www.attwoodmarine.com

Figure 4
A. 2 A säkring
B. 3-vägs strömbrytare (AV/PÅ/PÅ)
C. positiv
D. negativ
E. 12V DC
F. svart (till negativ)
G. blå (pos. -1)
H. grå (pos. -2)
I. ankarlanternor (rundstrålande)
J. masttoppslampor (gångljus)

Figure 5 / Figura 5
Abbildung 5 / Figur 5

Figure 5
A. Masthead Lights (Running)
B. Anchor Lights (All Around)

Figure 5
A. Feux de mouillage (visibles sur tout l’horizon)
B. Feux de tête de mât (navigation)

Figura 5
A. Luces del ancla (giratorias)
B. Luces de tope de palo (en funcionamiento)

Figur 5
A. ankarlanternor (rundstrålande)
B. masttoppslampor (gångljus)
<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>DESCRIPTION</th>
<th>USED ON</th>
<th>DIM &quot;A&quot;</th>
<th>DIM &quot;B&quot;</th>
<th>REV</th>
</tr>
</thead>
<tbody>
<tr>
<td>001003767</td>
<td>12&quot; ASSEMBLY</td>
<td>78125</td>
<td>5.61</td>
<td>21.86</td>
<td>A</td>
</tr>
<tr>
<td>001003768</td>
<td>24&quot; ASSEMBLY</td>
<td>78245</td>
<td>17.75</td>
<td>34.00</td>
<td>A</td>
</tr>
<tr>
<td>001003769</td>
<td>36&quot; ASSEMBLY</td>
<td>78365</td>
<td>27.00</td>
<td>46.00</td>
<td>A</td>
</tr>
<tr>
<td>001003770</td>
<td>42&quot; ASSEMBLY</td>
<td>78425</td>
<td>27.00</td>
<td>52.00</td>
<td>A</td>
</tr>
</tbody>
</table>

LED SIDE / CABLE SIDE

<table>
<thead>
<tr>
<th>BLACK</th>
<th>BLACK</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAY</td>
<td>RED</td>
<td></td>
</tr>
<tr>
<td>BLUE</td>
<td>WHITE</td>
<td></td>
</tr>
</tbody>
</table>

WIRE SPLICE
22 - 18 AWG
.060/.120 INSULATION (VENDOR SUPPLIED) (3) REO'D

BLUE WIRE
(+ ) POWERS SINGLE AFT LIGHT ONLY

BLACK WIRE
(- ) to BATT

GRAY WIRE
(+ ) POWERS FORWARD 2 LIGHTS ONLY

DIM "A" ± .12
<table>
<thead>
<tr>
<th>Reference No.</th>
<th>Scale</th>
<th>Item No.</th>
<th>Rev A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FULL</td>
<td>001003786</td>
<td></td>
</tr>
</tbody>
</table>

DO NOT SCALE

IF PRESENT,
GEOMETRIC TOLERANCING IN
ACCORDANCE WITH ANSI Y14.5M
UNLESS OTHERWISE
SPECIFIED ALL
DIMENSIONS ARE IN
- INCHES -

TOLERANCES
3 PLACE DECIMAL ±0.005
5 PLACE DECIMAL ±0.0005
ANGULAR 10° ±5°

PROPRIETARY
INFORMATION

NAME
CD-WIRES, ASM, LT, MASTHEAD, LED