

PERKO®

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***FIGURE NO. 0176 LED
UNDERWATER LIGHT***

IGNITION PROTECTED

**Installation and Operating
Instructions**



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FIGURE NO. 0176 LED UNDERWATER LIGHT



IGNITION PROTECTED

Installation and Operating Instructions Please Read All Instructions Before Proceeding



Replacement LED Units

If the LED unit needs servicing or replacement, replacement LED units are available. Please contact the factory directly for more information.

12V, 5 Watt, 20° Beam:

*General Information:

This light has been shipped with a 12V, 20° LED installed.

1. Select Mounting Location

- This unit can be installed above or below the waterline.
- The mounting surface must be flat to insure a watertight seal.
- When choosing a mounting location, make sure there is sufficient room in the bilge to take the back plate off and remove the interior of the light in case the LED has to be serviced (at least 6").

2. Installation

- Remove boat from water.
- Select mounting location and drill a 2-3/8" diameter hole.
- Epoxy the inside surface of the drilled hole to insure that water will not be absorbed into the hull in case of water intrusion.
- After the epoxy cures, insert the neck of the light through the hull. Put a generous amount of bedding sealant under the outer flange to insure a watertight seal.
- Put a generous amount of sealant on the back of the nut and tighten.
- A bonding screw is attached to the back plate in order for the light to be attached to the vessel's grounding system.
- Attach power cable to fused power source. The LED unit draws less than 1/2 amp at 12 volts.

⚠ CAUTION: ⚠

**IF PRIMARY LENS IS CRACKED, BROKEN OR MISSING OR IF SEAL HAS DETERIORATED,
DO NOT OPEN BACK WHILE BOAT IS IN THE WATER**

Loosen & slide back the black grommet securing yellow wire. If a leak occurs, retighten grommet.
Identify and repair problem out of the water.

DO NOT OPEN BACK WHILE LIGHT IS ENERGIZED

3. Replacing the Lens

- The vessel must be out of the water to perform this function.
- Remove the light from the hull.
- Remove the six screws that hold the head to the body and separate the two pieces.
- The lens will pop out. Use a PERKO replacement lens (Cat. No. 0174DP1LNS) Any other lens may not withstand the thermal conditions.
- Reassemble as described in Installation Instructions (Sections 2d, 2e, 2f and 2g).

FIVE YEAR LIMITED WARRANTY*

PERKO, INC. (PERKO) warrants to the original consumer-purchaser that PERKO'S consumer products will be free from defective materials or workmanship, and that the PERKOPLATE/PERKO•KOTE Finish will remain corrosion-free under normal use and service, for a period of five (5) years from the original purchase date. Products installed as original equipment by a boat builder or manufacturer are limited to one (1) year or the duration of the manufacturer's general accessory warranty, whichever is longer.

ALL IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY, ARE ALSO LIMITED IN DURATION TO THE FIVE YEAR PERIOD FROM THE ORIGINAL PURCHASE DATE.

PERKO SHALL NOT BE LIABLE FOR LOSS OF USE OF ANY OF ITS CONSUMER PRODUCTS, NOR FOR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY THE ORIGINAL CONSUMER-PURCHASER OR BY ANY OTHER PERSON.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY OR MAY NOT APPLY TO YOU. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY OR MAY NOT APPLY TO YOU.

This warranty is void if the consumer product warranted has been damaged by accident or unreasonable use, neglect, improper service or other cause not arising out of defects in material or workmanship. Excluded from this warranty are Electric Light Bulbs (lamps), Sealed Beam Units and Fuses.

During the warranty period, your PERKO product will either be repaired or it will be replaced with a like product (at PERKO's option) without charge to the original consumer-purchaser, when returned prepaid and insured, with proof-of-purchase date to PERKO at the address shown below. In the event of replacement, the replacement product will continue the warranty of the original product, or ninety (90) days, whichever is longer.

PERKO does not authorize any person or company to create for it any other obligation or liability in connection with any of its products.

* Due to this application below the waterline, the chrome plated bronze version of Fig. 0176 is limited to a 1 year warranty on the finish. Balance of the warranty terms are as stated above.