



Cat. No. 1680 Series
12V Converter Module for use with PERKO®
LED Combination Masthead/Anchor Lights

MOUNTING INFORMATION

Read all instructions before proceeding.

This module is designed to allow the installation of a Perko LED combination masthead/all round light as an upgrade to an existing incandescent combination masthead/all round light without rewiring the original incandescent switching arrangement of the boat navigation light system.

- Make sure to wire in accordance with both A.B.Y.C. Standard E4 and US Coast Guard Safety Standards for Boat Electrical Systems (33CFR183).

Background:

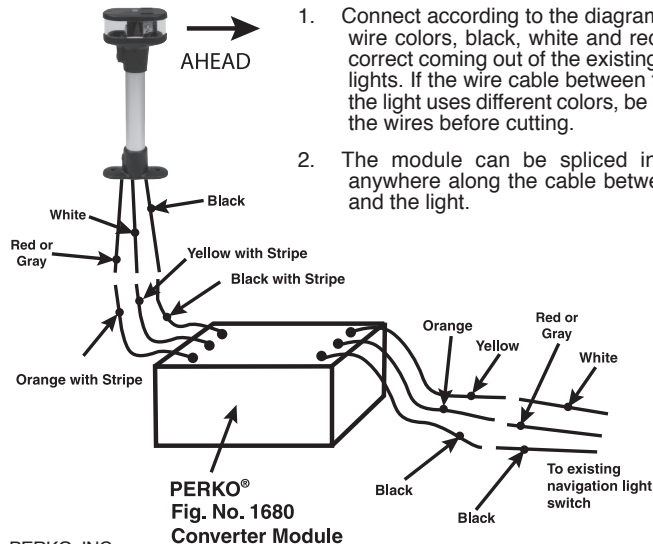
- Incandescent combination masthead/all round lights are wired such that either the white lead is energized (masthead) or both the white and red (or gray) leads are energized together (all round light).
- New LED replacement lights are wired such that either the white lead is energized (masthead) or red (or gray) lead is energized (all round light). Energizing the red (or gray) lead along with the white lead on the LED light would only allow the masthead mode to illuminate, and not the all round mode.
- This module allows the incandescent switching arrangement (often with an existing special navigation light switch) to properly control the new LED version by removing the old light and installing the new light along with the module. (See wiring diagram on back).
- If the installation includes a new switching arrangement (i.e. not using the original switch) then instructions packaged with the light show the wiring method and this module is not required.

*The above referenced standards can be obtained from:

(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)

Fig. 1680 Wiring Diagram



1. Connect according to the diagram. The existing wire colors, black, white and red (or gray) are correct coming out of the existing or new Perko lights. If the wire cable between the switch and the light uses different colors, be sure to identify the wires before cutting.
2. The module can be spliced into the circuit anywhere along the cable between the switch and the light.

For use with LED Combination Masthead/White All-Round Lts.
 Perko Fig. Nos.:
 1625 Combo Mast/Wht All-Rnd
 1673 Combo Mast/Wht All-Rnd
 1674 Combo Mast/Wht All-Rnd
 1678 Masthead
 1681 Combo Mast/Wht All-Rnd
 1683 Combo Mast/Wht All-Rnd
 1684 Combo Mast/Wht All-Rnd
 1696 Combo Mast/Wht All-Rnd
 1697 Combo Mast/Wht All-Rnd

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