PERKO® LED Navigation Light Dimension Drawings

Figs. 1377 Red & Green Side Lights
Figs. 1378 Masthead
Figs. 1379 Stern & Towing Lights
Figs. 1380 All-Round Lights

INSTALLATION INSTRUCTIONS
for Cat. Nos. 1377 - 1380 Series LED Navigation Lights

The above lights are designed for use on vessels over 20 meters (65.6 ft.) in length, operating on a either a 12/24 VDC or 120/240 VAC volt electrical system. In order to comply with the '72 COLREGS and the U.S. Inland Rules, the following must be adhered to:

MOUNTING INFORMATION
Read all instructions before proceeding.

(1). These instructions describe the installation of the lights after the proper mounting location has been determined. For proper light selection, positioning and configuration, refer to the '72 COLREGS*, U.S. Inland Navigation Rules* and/or other governing requirements applicable to the type and class of vessel.

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

(3) All electrical supply connections must be accomplished in accordance with applicable marine electrical standards and regulations and by a qualified marine electrician.

(4). Proper light must be selected in accordance with the identification plate mounted on the light and must match the supply voltage to that light (12/24 VDC or 120/240 VAC).

(5) Record information from the identification plate onto the "Navigation Light Certificate of Compliance" and store with the vessel's documents.

(6). Align light by making sure that a reference line drawn through the fore-aft marks on the light is parallel to the fore-aft centerline of the vessel.

(7). Using the mounting template, mark the mounting surface and drill for 3/8 inch bolts.

(8) After bolting in place, re-check alignment.

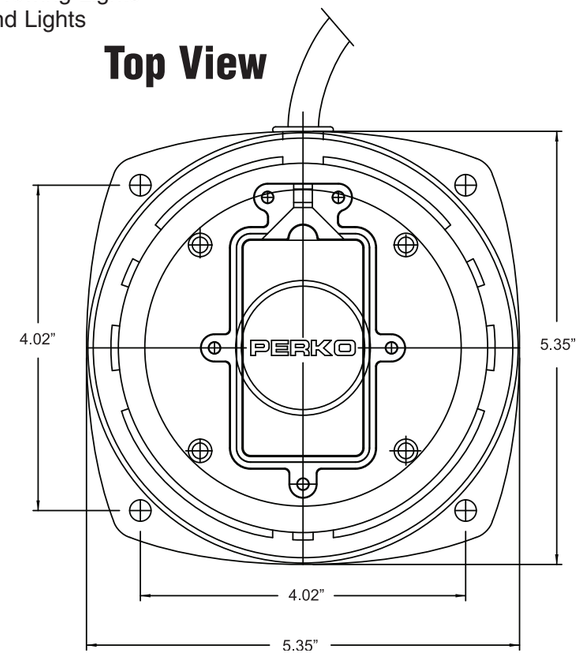
*The above referenced regulations can be obtained from:
U.S. Coast Guard, Washington, D.C. 20593 (or your local C.G. office)

VISIBILITY SPECIFICATIONS FOR VESSELS
20 METERS (65.6 FT.) TO 50 METERS (164.0 FT.) IN LENGTH

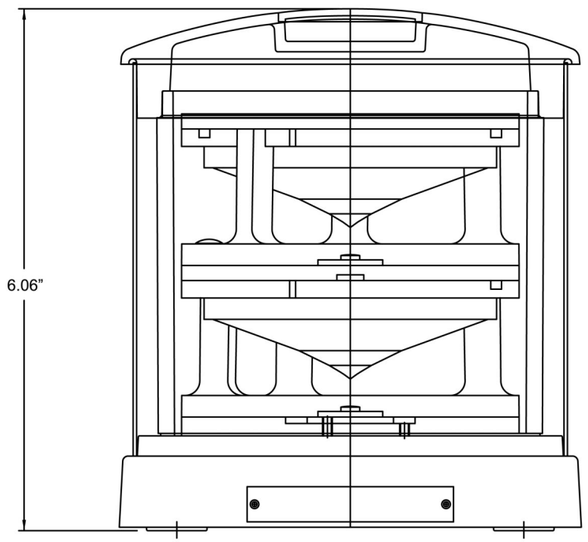
BASIC AND CAT. NO.	SUFFIX HOUSING COLOR BLACK OR WHITE	L.E.D. DESCRIPTION	PRESCRIBED ARC	VISIBILITY N. MILES
1377R00_ _ _	BLK or WHT	RED SIDE LIGHT - 120/240 VAC	112-1/2°	USCG 2nm
1377R01_ _ _	BLK or WHT	RED SIDE LIGHT - 12/24 VDC	112-1/2°	USCG 2nm
1377G00_ _ _	BLK or WHT	GREEN SIDE LIGHT - 120/240 VAC	112-1/2°	USCG 2nm
1377G01_ _ _	BLK or WHT	GREEN SIDE LIGHT - 12/24 VDC	112-1/2°	USCG 2nm
1378000_ _ _	BLK or WHT	WHITE MASTHEAD LIGHT - 120/240 VAC	225°	USCG 5nm
1378001_ _ _	BLK or WHT	WHITE MASTHEAD LIGHT - 12/24 VDC	225°	USCG 5nm
1379000_ _ _	BLK or WHT	WHITE STERN LIGHT - 120/240 VAC	135°	USCG 2nm
1379001_ _ _	BLK or WHT	WHITE STERN LIGHT - 12/24 VDC	135°	USCG 2nm
1379M00_ _ _	BLK or WHT	YELLOW TOWING LIGHT - 120/240 VAC	135°	USCG 2nm
1379M01_ _ _	BLK or WHT	YELLOW TOWING LIGHT - 12/24 VDC	135°	USCG 2nm
1380000_ _ _	BLK or WHT	WHITE ALL-ROUND LIGHT - 120/240 VAC	360°	USCG 2nm
1380001_ _ _	BLK or WHT	WHITE ALL-ROUND LIGHT - 12/24 VDC	360°	USCG 2nm
1380H00_ _ _	BLK or WHT*	WHITE ALL-ROUND LIGHT - 120/240 VAC	360°	USCG 5nm
1380H01_ _ _	BLK or WHT*	WHITE ALL-ROUND LIGHT - 12/24 VDC	360°	USCG 5nm
1380R00_ _ _	BLK or WHT	RED ALL-ROUND LIGHT - 120/240 VAC	360°	USCG 2nm
1380R01_ _ _	BLK or WHT	RED ALL-ROUND LIGHT - 12/24 VDC	360°	USCG 2nm
1380G00_ _ _	BLK or WHT	GREEN ALL-ROUND LIGHT - 120/240 VAC	360°	USCG 2nm
1380G01_ _ _	BLK or WHT	GREEN ALL-ROUND LIGHT - 12/24 VDC	360°	USCG 2nm
1380M00_ _ _	BLK or WHT	YELLOW ALL-ROUND LIGHT - 120/240 VAC	360°	USCG 2nm
1380M01_ _ _	BLK or WHT	YELLOW ALL-ROUND LIGHT - 12/24 VDC	360°	USCG 2nm

THIS 5 MILE WHITE ALL-ROUND LIGHT IS OPTIONAL FOR GREAT LAKES USAGE IN ACCORDANCE WITH THE U.S. INLAND NAVIGATION RULES ACT OF 1980.

Top View



Side View



PERKO®		
16490 N.W. 13th Avenue		Miami, FL 33169-5707
Date: 4/2/13		Drawn By: H. Ahmed
Scale: None		Revised: 10/15/18
CAT. NOS. 1377-1380 SERIES LED NAVIGATION LIGHTS DIMENSIONAL DRAWING		

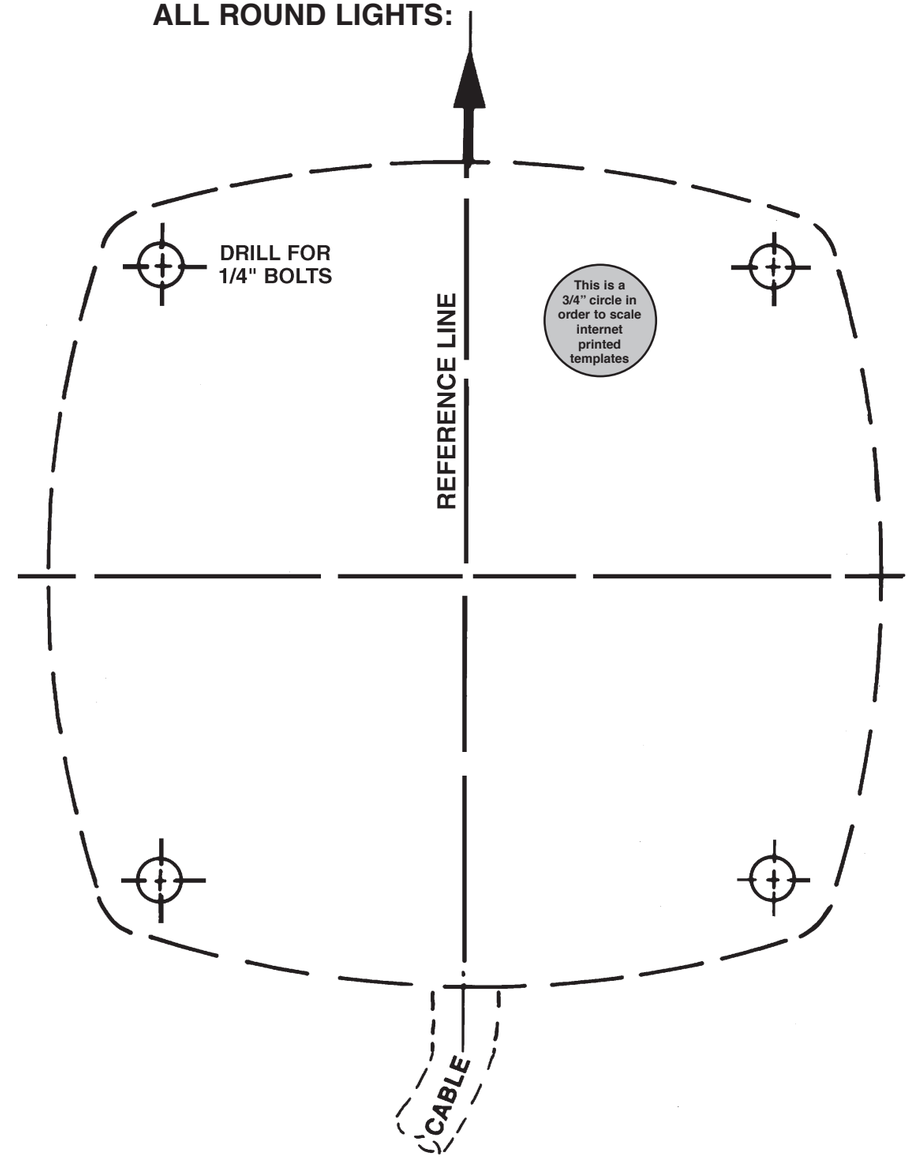
Note: The American Boat & Yacht Council (ABYC) took over control & management of the UL-1104 standard from Underwriters Lab about 5 years ago. ABYC publishes and maintains many marine standards and is well known & respected by the Coast Guard. ABYC is in the process of reviewing the UL-1104 standard. They plan to republish UL-1104 in 2017 unchanged except for the use of the new designation A-1104. This is consistent with the ABYC standard numbering system. Perko is now using both either standard designation (A-1104 and/or UL-1104) in our literature, instructions and markings.

CE

USCG APPROVAL
33 CFR 183.810
Visibility: Varies
Tested By: IMANNA Labs.
Date: 10/17/13
Meets UL 1104

REFERENCE LINE SHALL BE PARALLEL TO CENTERLINE OF THE VESSEL AND POINTING:
AHEAD FOR:
SIDE AND MASTHEAD LIGHTS
ASTERN FOR:
STERN AND TOWING LIGHTS
ANY DIRECTION FOR:
ALL ROUND LIGHTS:

CUT HERE TO REMOVE MOUNTING TEMPLATE



MOUNTING TEMPLATE FOR CAT. NOS. 1377-1380 SERIES

1377INS1

NAVIGATION LIGHT CERTIFICATE OF COMPLIANCE

This navigation light has been tested and certified to the '72 COLREGS and the U.S. INLAND NAVIGATION RULES ACT OF 1980 in accordance with UL 1104 (ABYC A-1104). When properly installed, this light is approved by the U.S. Coast Guard for use aboard U.S. Coast Guard inspected vessels. This certification is also accepted by other inspecting authorities. An identification plate attached to the light provides official certification information in accordance with ABYC A-1104.

Upon installation, record information below from the identification plate, as applicable to the class of vessel on which the light is to be fitted.

Type of Light _____
(Masthead, Stern, All-Round Etc.)

Cat. No. _____
(1377R00BLK, 1380H00BLK, Etc.)

D.O.M. No. _____
(Die Stamped)

Vessel Length _____

Replacement Light Units

Single Light: _____ Voltage: _____
(Cat No. of Light)

Date of Installation _____

Vessel Identification _____

10/18

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