

LED NAVIGATION LIGHTS BY



part number 516-1000

- USCG Approval of 33 CFR 183.810
- USCG-2NM
- Tested at Imanna Labs
- Certified for 2 miles
- Certified for vessels up to 20 meters in length

These lights are designed to be mounted on a vertical surface 24 degrees relative to the boats centerline, so that the light pattern is unobstructed. International Navigation Rules require that sidelights be installed above the rub rail.

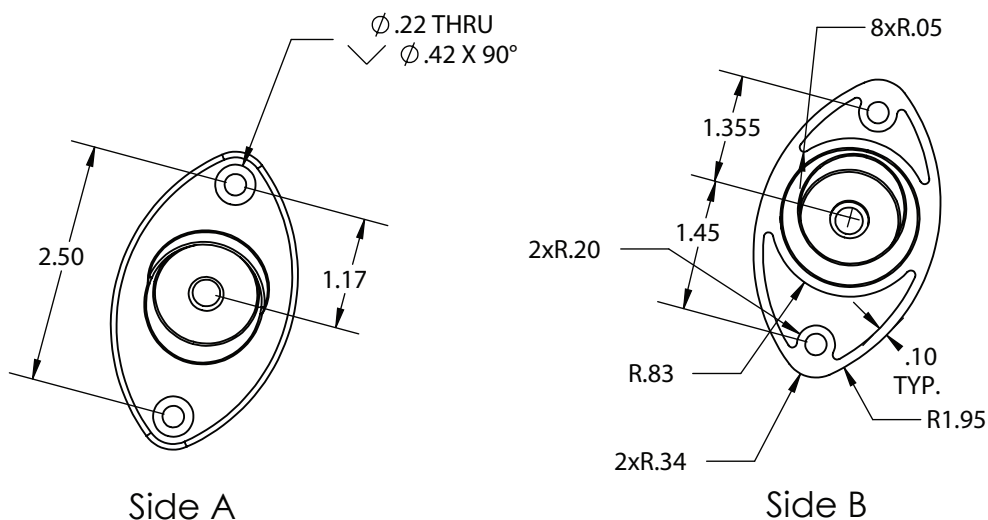
See drawing for proper mounting angles

Or you can refer to the:

Standard A-16, '72 COLREG, and the U.S. Inland Rules for proper light, location and positioning.

LED NAVIGATION LIGHTS INSTALLATION

1. Once the correct location has been determined on your vessel according to the standards (see attached illustration) tape off the location.
2. On the taped off area mark the center hole to be drilled with a 1 1/2" hole saw. make sure to keep at least 1" of space on the top and bottom and 1 3/4" on the forward and 1 1/2" on the rear side for the light housing.
3. After drilling the 1 1/2" holes, fit the correct light into the hole, the red on the port side, and the green on the starboard side. The red port light orientation should have the Hardin Marine Logo on the bottom side of the light, and on the green starboard light, the Hardin Marine Logo on the top side.
4. Mark for the mounting screws and drill a pilot hole of the correct size for the screws you plan to use (i.e. #10 x 3/4" stainless flathead).
5. Remove the tape from the work area and clean and drilling debris from the area. Use a suitable marine grade silicone around the edge of the LED light housing and on the screws to seal the area for any possible water leaking onto the boat. Install the lights and tighten the screws to the correct torque. Wipe off any excess silicone with a rag for a nice finished appearance.
6. The wiring is completed by connecting the black wires to the boats negative ground source and the port light red wire and the starboard side green wire to 12v on the vessels navigation light switch.



Navigation Sidelights

SECTION A-16:
Sidelights - The starboard sidelight showing green, and the port sidelight showing red, from dead ahead to 22.5° abaft the beam ($90^\circ + 22.5^\circ = 112.5^\circ$) on their respective sides.

