



a division of SandHouse Design, LLC
P.O. Box 82, Dunedin, FL USA
ph (727) 474-2877 / fax (727) 342-7304
Email: info@shadow-caster.com

SCM-10_{v2} MARINE LEDs

Installation Instructions (page 1) Installation Diagram (page 2)

What you will need:

- ✂ Scissors
- ✂ Low Stick Masking Tape
- ✂ Power drill (18v cordless preferred)
- ✂ 7/64" (#7 screw) or 9/64" (#8 screw) Diameter drill bit
- ✂ 3/8" and 5/8" Diameter drill bits
- ✂ Rubbing Alcohol
- ✂ Clean cloth or paper towel
- ✂ Sealant (100% silicone) DO NOT USE 5200

THIS DRAWING IS THE PROPERTY OF SHADOW-CASTER MARINE LEDs. COPYRIGHT IS RESERVED BY THEM. THE DRAWING IS ISSUED UNDER THE CONDITION THAT IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN WHICH IT IS SUPPLIED AND NOT BE COPIED, REPRODUCED, RETAINED OR DISCLOSED TO UNAUTHORIZED PERSONS WHOLLY OR IN PART WITHOUT THE CONSENT IN WRITING OF SHADOW-CASTER MARINE LEDs.

**Visit us online at
www.shadow-caster.com
for product news and updates.**

Shadow-Caster MARINE LEDs utilize state-of-the-art high powered LED technology combined with a rugged military grade design to bring you the best value in underwater lighting. Our lights are manufactured in the U.S.A. and are inspected to meet the highest standards of quality.

The following steps are recommended to properly install your SCM-10v2. Avoiding to do so may void your warranty.

- 1) Choose mounting location - The lights require water cooling and should be installed on a flat surface area that is frequently submerged, splashed, or sprayed. Also consider the area inside the boat where the wire will enter and make sure it will be accessible to retrieve the wire. It IS recommended to mount the light as low as possible for optimal water penetration and cooling. It IS NOT recommended to mount the lights on the bottom of the hull because it will create drag and increase the risk of damage to the light due to grounding or being struck by floating debris.
- 2) Cut out the provided template and tape in place on boat surface. Make sure you are drilling into a place where you can get to the hole in order to feed wire. Mark center drill location with pencil. Remove template and store in a safe place.
- 3) Drill a 7/64" (#7 screw) or 9/64" (#8 screw) diameter hole in the center hole only, shown on template.
TO AVOID CRACKING THE GEL COAT TURN THE DRILL BACKWARDS!
- 4) If mounting to an aluminum hull use the optional foam gasket or spacer.
Contact your retailer or visit www.shadow-caster.com to order.
- 5) OPTION 1 - At center hole use 3/8" diameter bit all the way through.
Use 5/8" counter sink and drill 1" depth. Then run wire.
OPTION 2- At center hole use 5/8" all the way through. Then run wire.
- 6) Pour alcohol on a clean cloth and wipe the hull to remove dirt or wax.
- 7) Feed the wire through the hull.
- 8) Place a sufficient amount of silicone or 3M 4200 marine sealant on the hull around all three holes to seal them against the light's base plate.
- 9) Fill the screw holes with sealant.
- 10) Use provided screws (Qty 2) to mount light to the hull.
- 11) Install wiring.
 - a. Route wire through the boat in a manor such that it is tied up out of standing water and protected from excessive heat or abrasion.
 - b. Route wire to a switch rated at a minimum of 5 amps per light (i.e. for two lights: 5 amps x 2 lights = 10 amps minimum switch rating). Switch not provided.
 - c. Red wire is positive, black wire is ground. Reversing the polarity will void your warranty. The lights must be wired through a fuse or circuit breaker. **FAILURE TO DO SO COULD CAUSE A FIRE AND INJURY OR DEATH.** Each light will require 4 amps at 12 volts.

