## SI HIGH POWERED LED SPREADER/ FLOOD LAMPS

HP3, HP6, HP12 Flush Mount Spreader/ Flood Lamps (patented), rev. 10/2013

## **Installation Instructions**

Thank you for choosing the SI spreader lamps for your project! You will appreciate the superior performance, quality and flexibility of SI LED spreader lamps found in no other LED lamp. Please follow these instructions carefully to assure years of trouble-free operation.

Sonic Illusions flush mount spreader/flood lamps should be installed by qualified persons only.

## The included plastic screw thread protectors must be used for warranty of the powder-coat finish.

Lighting circuits should be protected with an appropriately sized fuse/ breaker. The HP3 draws 1.2A/.6A at 12/24VDC; the HP6 draws 2.5A/1.2A at 12/24 VDC; the HP12 draws 5A/2.5A at 12/24V DC. The HP6 and HP12-AC lamps draw 1 amp at 120 V AC.

Lamps may get warm or hot (up to 160 deg F) to the touch during operation. This is normal and will not cause harm to typical surfaces, including fiberglass and wood. The lamps should NOT be mounted to surfaces which are sensitive to these temperatures. **WARNING! DO NOT MODIFY HEAT SINK!** 

The lamps contain thermal protection circuitry. If the lamps turn off due to overheating, they will reset once cooled.

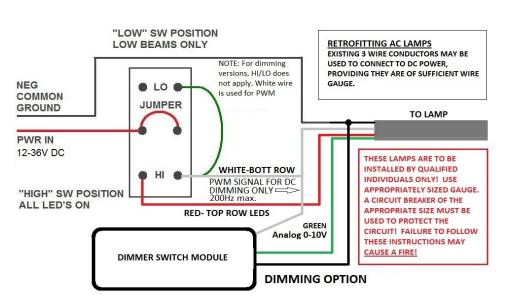
Best operation and durability can only be assured by installing the lamps where there is airflow across the heat sink on the back of the lamp, such as the ventilation created for hard-top pod mounted halogen lamps. Avoid mounting the lamps where there is not at least 1" clearance between the sides and back.

## High/Low beam operation (Flush-mount DC LAMPS, HP12 ONLY)

For AC, Please see the AC Wiring Sheet

When vessel is moored where bright lights may irritate neighbors, it may be desirable to control stray light by utilizing the unique high/ low feature of the SI flush mount HP12. See the illustration for simple connection to power supply via 3 wire conductor.

DPDT switch with center off (such as VIMAR 16145) is ideal for this application.



DOUBLE POLE, DOUBLE THROW (DPDT), CENTER OFF SWITCH NEEDED FOR HIGH/ LOW OPERATION "HI" and "LO" ORIENTATION MAY VARY, DEPENDING ON THE CONFIGURATION OF THE SWITCH

FOR FULL POWER OPERATION (ALL LED's ON), CONNECT THE RED AND WHITE WIRES

