

SCR SERIES

SINGLE COLOR UNDERWATER LIGHT



▶ **MODEL #s:** SCR-16-AG-BZ-10 • SCR-16-BB-BZ-10 • SCR-16-CR-BZ-10 • SCR-16-GW-BZ-10 • SCR-16-UB-BZ-10
SCR-24-AG-BZ-10 • SCR-24-BB-BZ-10 • SCR-24-GW-BZ-100

▶ OPERATION

- 1. Power Toggle Control** Done by quickly turning the input power off and then back on within 2 seconds.
- 2. Push Button Control** This is an optional control that can be added by installing a momentary push button switch connected between the ground and green wire.

Power Switch Toggle The SCR underwater light has unique circuitry to detect when the power has been toggled. The lights must be turned off and then back on within 2 seconds for this condition to be recognized. Toggling the power will change the SCR underwater light to the next brightness state. Toggling the power switch will cycle through the available colors brightness options in the sequence of brightest, 2/3 power and 1/3.

When the power is turned off for more than 10 seconds, the lights will reset and return to the brightest state.

Push Button The push button interface requires the installation of a push button switch. This will access the additional features listed below. By pressing the push button switch, the single color SCR will go through the following modes of operation:

- **Fade:** The SCR light will fade from the current brightness to off, approximately every 20 seconds
- **Strobe:** The lights will strobe on whichever brightness they are set to
- **Back to solid color**

Shadow-Caster™ offers a marine grade ON/OFF switch™ with integrated power toggle and push button switch. Part# SCM-SWITCH-O/O/M.

▶ CONNECTIONS

Red Wire: Positive 10-30V DC input. **SCR-24:** Typical current draw 7.5 amps max at 12V, 3.5 amps max at 24V

SCR-16: Typical current draw 5 amps max at 12V, 2.5 amps max at 24V

Black Wire: Common ground

Green Wire: Connect to an optional momentary push button control wire to access "Lighting Modes"

Orange and Yellow Wire: Shadow-NET™ connection will only respond on the lights manufactured color

Please note: The recommended switch is rated to 20 amps and will only service 2 lights at 12 volts.

For larger installations, the SCM-PD+ power distribution box is recommended to service more power.

▶ CARE AND MAINTENANCE

Clean your Shadow-Caster™ Marine LED lights frequently with a soft bristle brush. We recommend that installed Shadow-Caster™ Marine LED lights be cleaned every two weeks for "live in water" boats and rinsed every time the boat is pulled out of the water to prevent marine growth buildup and bio-fouling. Using cleaners that contain solvents other than alcohol may damage light and potentially void warranty. This includes acetone, acetates, ethers, esters acetates, xylene, amines, hydrocarbons, methyl ethyl keytone (MEK).



Designed & Manufactured
in Clearwater, FL
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