

# SCR SERIES

## TWO COLOR UNDERWATER LIGHT



▶ **MODEL #s:** SCR-16-BW-BZ-10 • SCR-24-BW-BZ-10

### ▶ 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-BW 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 input will change the SCR-BW underwater light to the next color state. Toggling the power switch will cycle through the available colors in the sequence of blue, white and all. When the power is turned off for more than 10 seconds, the lights will reset and return to the blue color state.

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

- **Blue to white fade:** The SCR light will fade from white to blue, approximately every 20 seconds
- **Strobe:** The lights will strobe on whichever color they are set to
- **Back to solid color**

Shadow-Caster™ offers an optional 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 ketone (MEK).



Designed & Manufactured  
in Clearwater, FL  
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Shadow-Caster™ LED Lighting | 2060 Calumet Street | Clearwater, FL 33765  
p: +1 727.474.2877 e: info@shadow-caster.com w: shadow-caster.com